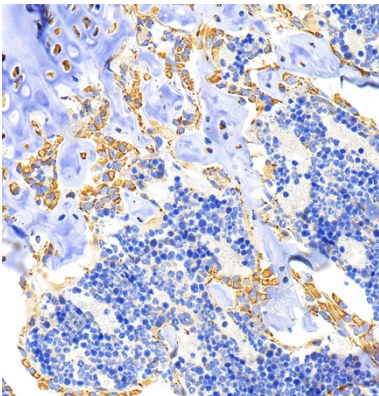
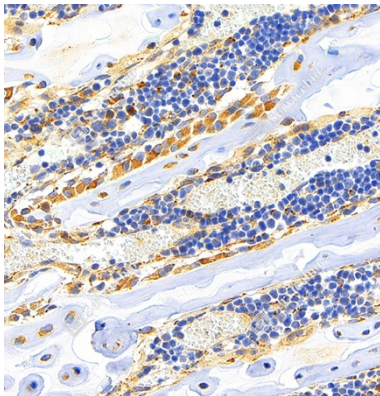
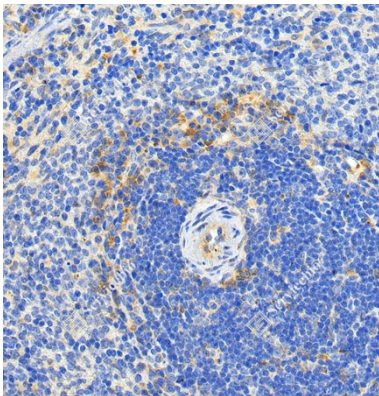


# Anti-RANKL Rabbit pAb



**GB115705 -20°C**

| Product Information                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                             |                |                 |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|----------------|-----------------|
| Protein full name                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Tumor necrosis factor ligand superfamily member 11                                                          |                |                 |
| Synonyms                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | CD254, hRANKL2, ODF, OPGL, OPTB2, Osteoprotegerin ligand, RANKL, sOdf, TNFSF11, TRANCE, Opgl, Rankl, Trance |                |                 |
| Immunogen                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Recombinant protein corresponding to Mouse RANKL                                                            |                |                 |
| Uniprot ID                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | O35235                                                                                                      |                |                 |
| Isotype                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | IgG                                                                                                         |                |                 |
| Purity                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Affinity purification                                                                                       |                |                 |
| Subcellular location                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Cell membrane, Cytoplasm, Secreted                                                                          |                |                 |
| Applications                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Species                                                                                                     | Dilution       | Positive Tissue |
| IHC/IF                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Mouse, Rat                                                                                                  | 1: 600-1: 2400 | bone, spleen    |
| Storage                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                             |                |                 |
| Storage                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Store at -20°C for one year. Avoid repeated freeze/thaw cycles.                                             |                |                 |
| Storage Buffer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | PBS with 0.15% ProClin300, 100 µg/mL BSA and 50% glycerol.                                                  |                |                 |
| background                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                             |                |                 |
| <p>Cytokine that binds to TNFRSF11B/OPG and to TNFRSF11A/RANK. Osteoclast differentiation and activation factor.Augments the ability of dendritic cells to stimulate naive T-cell proliferation. May be an important regulator of interactions between T-cells and dendritic cells and may play a role in the regulation of the T-cell-dependent immune response. May also play an important role in enhanced bone-resorption in humoral hypercalcemia of malignancy.Induces osteoclastogenesis by activating multiple signaling pathways in osteoclast precursor cells, chief among which is induction of long lasting oscillations in the intracellular concentration of Ca 2+ resulting in the activation of NFATC1, which translocates to the nucleus and induces osteoclast-specific gene transcription to allow differentiation of osteoclasts.During osteoclast differentiation, in a TMEM64 and ATP2A2-dependent manner induces activation of CREB1 and mitochondrial ROS generation necessary for proper osteoclast generation.</p>                                                                                                                                                                                                                                                                       |                                                                                                             |                |                 |
| Images                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                             |                |                 |
| <div><div><p>IHC analysis of RANKL(GB115705).<br/>Sample: Mouse bone, 4% PFA (G1101) 12-24h.<br/>Antigen retrieval: Citrate buffer (pH 6.0) (G1201), pressure cooker 2 min.<br/>Primary antibody: 1: 1000, 4°C overnight.<br/>Secondary antibody: S-vision poly-HRP conjugated Goat Anti-Rabbit IgG (H+L), Ready to use(G1302), RT, 20min.</p></div><div><p>IHC analysis of RANKL(GB115705).<br/>Sample: Rat bone, 4% PFA (G1101) 12-24h.<br/>Antigen retrieval: Citrate buffer (pH 6.0) (G1201), pressure cooker 2 min.<br/>Primary antibody: 1: 1000, 4°C overnight.<br/>Secondary antibody: S-vision poly-HRP conjugated Goat Anti-Rabbit IgG (H+L), Ready to use(G1302), RT, 20min.</p></div><div><p>IHC analysis of RANKL(GB115705).<br/>Sample: Rat spleen, 4% PFA (G1101) 12-24h.<br/>Antigen retrieval: Citrate buffer (pH 6.0) (G1201), pressure cooker 2 min.<br/>Primary antibody: 1: 1000, 4°C overnight.<br/>Secondary antibody: S-vision poly-HRP conjugated Goat Anti-Rabbit IgG (H+L), Ready to use(G1302), RT, 20min.</p></div></div> |                                                                                                             |                |                 |

**For Research Use Only!**

**Ver. No.: V2.0-20260420**