

## Recombinant Anti-RUNX2 antibody (Rabbit mAb)



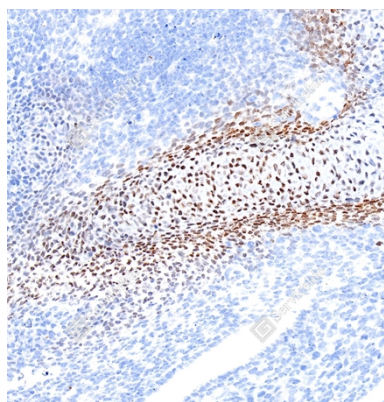
**GB155631 -20°C**

| Product Information  |                                                                                                                                                           |                 |                      |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|----------------------|
| Protein full name    | Runt-related transcription factor 2                                                                                                                       |                 |                      |
| Synonyms             | AML3, CBF alpha 1, CBFA1, CCD, CCD1, Oncogene AML 3, OSF 2, OSF2, PEA2 alpha A, PEA2aA, PEBP2 alpha A, PEBP2A, PEBP2A1, PEBP2A2, PEBP2aA, PEBP2aA1, RUNX2 |                 |                      |
| Immunogen            | Recombinant protein corresponding to Mouse RUNX2                                                                                                          |                 |                      |
| Uniprot ID           | Q08775                                                                                                                                                    |                 |                      |
| Isotype              | IgG                                                                                                                                                       |                 |                      |
| Clone Number         | SB701                                                                                                                                                     |                 |                      |
| Purity               | Affinity purification                                                                                                                                     |                 |                      |
| Subcellular location | Nucleus                                                                                                                                                   |                 |                      |
| Applications         | Species                                                                                                                                                   | Dilution        | Positive Tissue      |
| IHC/IF               | Mouse, Rat                                                                                                                                                | 1: 1000-1: 2000 | embryo, 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.                                                                                                |                 |                      |

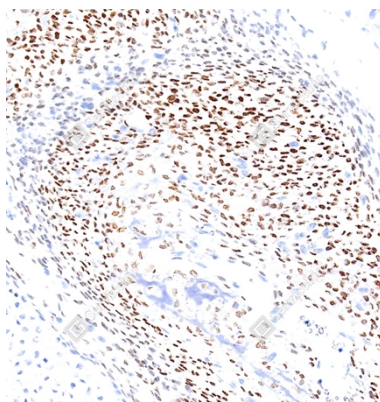
### background

Transcription factor involved in osteoblastic differentiation and skeletal morphogenesis. Essential for the maturation of osteoblasts and both intramembranous and endochondral ossification. CBF binds to the core site, 5'-PYGPGYGGT-3', of a number of enhancers and promoters, including murine leukemia virus, polyomavirus enhancer, T-cell receptor enhancers, osteocalcin, osteopontin, bone sialoprotein, alpha 1(I) collagen, LCK, IL-3 and GM-CSF promoters. In osteoblasts, supports transcription activation: synergizes with SPEN/MINT to enhance FGFR2-mediated activation of the osteocalcin FGF-responsive element (OCFRE). Inhibits KAT6B-dependent transcriptional activation.

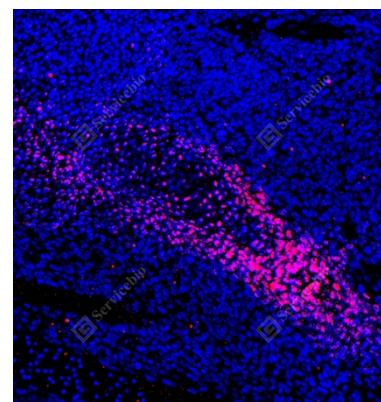
### Images



IHC analysis of RUNX2(GB155631).  
Sample: Mouse embryo, 4% PFA (G1101) 12-24h.  
Antigen retrieval: Antigen retrieval instrument: (ARI-4), Tris-EDTA buffer (pH 9.0) (G1203), Water bath 100°C 25min.  
Primary antibody: 1: 1000, 4°C overnight.  
Secondary antibody: S-vision poly-HRP conjugated Goat Anti-Rabbit IgG (H+L), Ready to use (G1302), RT, 20min.



IHC analysis of RUNX2(GB155631).  
Sample: Rat embryo, 4% PFA (G1101) 12-24h.  
Antigen retrieval: Antigen retrieval instrument: (ARI-4), Tris-EDTA buffer (pH 9.0) (G1203), Water bath 100°C 25min.  
Primary antibody: 1: 1000, 4°C overnight.  
Secondary antibody: S-vision poly-HRP conjugated Goat Anti-Rabbit IgG (H+L), Ready to use (G1302), RT, 20min.



IF analysis of RUNX2(GB155631) red.  
Sample: Mouse embryo, 4% PFA (G1101) 12-24h.  
Antigen retrieval: Antigen retrieval instrument: (ARI-4), Tris-EDTA buffer (pH 9.0) (G1203), Water bath 100°C 25min.  
Blocking buffer: 3% BSA (GC305010) in PBS, RT, 30min.  
Primary antibody: 1: 1000, 4°C overnight.  
Secondary antibody: Cy3 conjugated Goat Anti-Rabbit IgG (H+L) (GB21303), 1: 300, RT, 1h.

**For Research Use Only!**

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