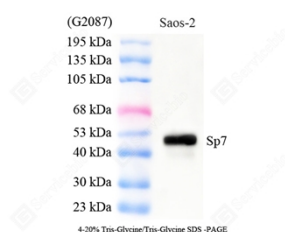


# Recombinant Anti-Sp7/Osterix antibody (Rabbit mAb)

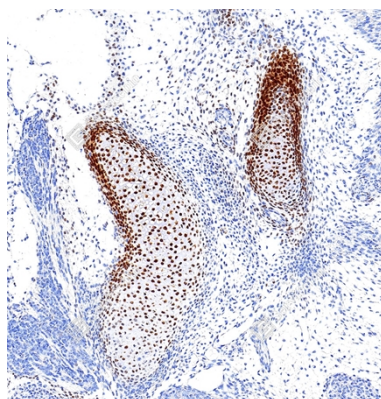


**GB151900 -20°C**

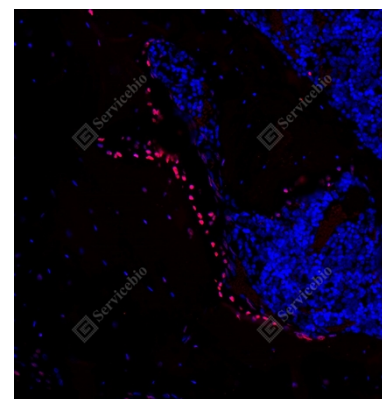
| Product Information                                                                                                                                                                                                                                                                                                                                                              |                                                                               |                 |                 |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|-----------------|-----------------|
| Protein full name                                                                                                                                                                                                                                                                                                                                                                | Transcription factor Sp7                                                      |                 |                 |
| Synonyms                                                                                                                                                                                                                                                                                                                                                                         | C22, Zinc finger protein osterix, Sp7, Osx, Osterix, Sp7 transcription factor |                 |                 |
| Immunogen                                                                                                                                                                                                                                                                                                                                                                        | Recombinant protein corresponding to Human Sp7                                |                 |                 |
| Uniprot ID                                                                                                                                                                                                                                                                                                                                                                       | Q8TDD2                                                                        |                 |                 |
| Isotype                                                                                                                                                                                                                                                                                                                                                                          | IgG                                                                           |                 |                 |
| Clone Number                                                                                                                                                                                                                                                                                                                                                                     | SB491                                                                         |                 |                 |
| Purity                                                                                                                                                                                                                                                                                                                                                                           | Affinity purification                                                         |                 |                 |
| Subcellular location                                                                                                                                                                                                                                                                                                                                                             | Nucleus                                                                       |                 |                 |
| Predicted MW./Observed MW.                                                                                                                                                                                                                                                                                                                                                       | 45 kDa / 45 kDa                                                               |                 |                 |
| Applications                                                                                                                                                                                                                                                                                                                                                                     | Species                                                                       | Dilution        | Positive Tissue |
| WB                                                                                                                                                                                                                                                                                                                                                                               | Human                                                                         | 1: 500-1: 2000  | Saos-2          |
| IHC/IF                                                                                                                                                                                                                                                                                                                                                                           | Human, Mouse, Rat                                                             | 1: 1500-1: 3000 | embryo, bone    |
| 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                                                                                                                                                                                                                                                                                                                                                                       |                                                                               |                 |                 |
| This gene encodes a member of the Sp subfamily of Sp/XKLF transcription factors. Sp family proteins are sequence-specific DNA-binding proteins characterized by an amino-terminal trans-activation domain and three carboxy-terminal zinc finger motifs. This protein is a bone specific transcription factor and is required for osteoblast differentiation and bone formation. |                                                                               |                 |                 |
| Images                                                                                                                                                                                                                                                                                                                                                                           |                                                                               |                 |                 |



WB analysis of Sp7/Osterix(GB151900).  
Sample: Protein treated by RIPA Lysis Buffer (G2002).  
Blocking buffer: 3% Nonfat dry milk (GC310001) in TBST, RT, 1h.  
Primary antibody: 1: 500, 4°C overnight.  
Secondary antibody: HRP conjugated Goat Anti-Rabbit IgG (H+L) (GB23303), 1: 5000, RT, 1h.



IHC analysis of Sp7/Osterix(GB151900).  
Sample: Mouse embryo, 4% PFA (G1101) 12-24h.  
Antigen retrieval: Tris-EDTA buffer (pH 9.0) (G1203), 100°C 25min.  
Primary antibody: 1: 1500, 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 Sp7/Osterix(GB151900)red.  
Sample: Rat bone, 4% PFA (G1101) 12-24h.  
Antigen retrieval: Tris-EDTA buffer (pH 9.0) (G1203), 100°C 25min.  
Blocking buffer: 3% BSA (GC305010) in PBS, RT, 30min.  
Primary antibody: 1: 1500, 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**