

Anti-RUNX2 Mouse mAb



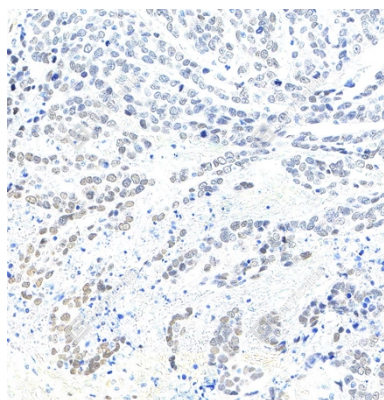
GB125631 -20°C

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	IgG1, κ		
Clone Number	7B4A8		
Purity	Affinity purification		
Subcellular location	Nucleus		
Applications	Species	Dilution	Positive Tissue
IHC/IF	Human, Mouse, Rat	1: 500-1: 1500	esophageal carcinoma, bone, embryo
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.		

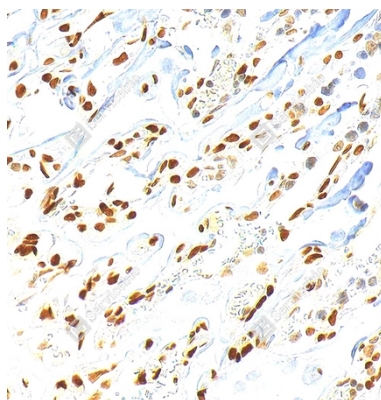
background

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'-PYGPGGT-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.

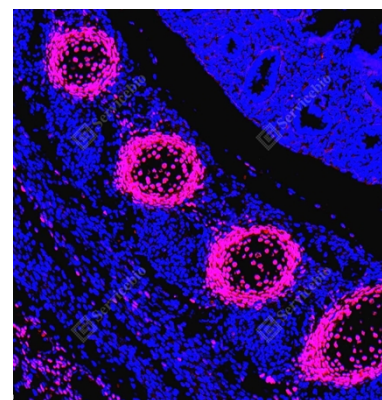
Images



IHC analysis of RUNX2(GB125631).
Sample: Human esophageal carcinoma, 4% PFA (G1101) 12-24h.
Antigen retrieval: Citrate buffer (pH 6.0) (G1201), pressure cooker 2 min.
Primary antibody: 1: 500, 4°C overnight.
Secondary antibody: S-vision poly-HRP conjugated Goat Anti-Mouse IgG (H+L), Ready to use (G1301), RT, 20min.



IHC analysis of RUNX2(GB125631).
Sample: Mouse bone, 4% PFA (G1101) 12-24h.
Antigen retrieval: Citrate buffer (pH 6.0) (G1201), pressure cooker 2 min.
Primary antibody: 1: 500, 4°C overnight.
Secondary antibody: S-vision poly-HRP conjugated Goat Anti-Mouse IgG (H+L), Ready to use (G1301), RT, 20min.



IF analysis of RUNX2(GB125631)red.
Sample: Mouse embryo, 4% PFA (G1101) 12-24h.
Antigen retrieval: Citrate buffer (pH 6.0) (G1201), pressure cooker 2 min.
Blocking buffer: 3% BSA (GC305010) in PBS, RT, 30min.
Primary antibody: 1: 500, 4°C overnight.
Secondary antibody: Cy3 conjugated Goat Anti-Mouse IgG (H+L) (GB21301), 1: 300, RT, 1h.

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