

Cat. No: AB-84116
Size: 100 ul
Clone: POLY
Concentration: 1mg/ml
Host: Rb
Isotype: IgG
Immunogen: Synthesized peptide derived from human RUNX2.
Reactivity: Hu, Ms

Applications: Western Blot: 1:500 – 1:2000
 Immunofluorescence: 1:50-1:200.
 ELISA: 1/2000.
 Not yet tested in other applications

Molecular Weight: 56kDa

Purification: Aff. Pur.

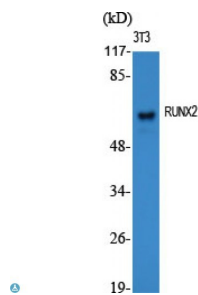
Background:

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. Modifications: Phosphorylated; probably by MAP kinases (MAPK). Phosphorylation by HIPK3 is required for the SPEN/MINT and FGF2 transactivation during osteoblastic differentiation . Phosphorylation at Ser-451 by CDK1 promotes endothelial cell proliferation required for tumor angiogenesis probably by facilitating cell cycle progression. Isoform 3 is phosphorylated on Ser-340.

Form: Liquid

Buffer: Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

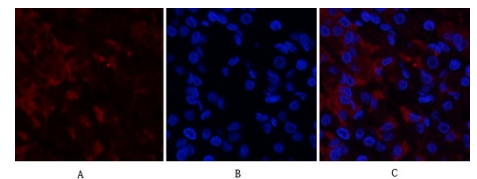
Storage: At +4°C for short term. For longer term store at -20°C, avoid repeat freeze-thaw cycles.



Western Blot on 3T3 cells



Western blot on HeLa cells



Immunofluorescence analysis of human-stomach tissue. 1, RUNX2 Polyclonal Antibody (red) was diluted at 1:200(4°C, overnight). 2, Cy3 labeled Secondary antibody was diluted at 1:300(room temperature, 50min). 3, Picture B: DAPI(blue) 10min. Picture

A:Target. Picture B: DAPI. Picture C:
merge of A+B

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