

## Runt-related transcription factor 2

Catalog No: #AP79440

Package Size: #AP79440-1 50ug #AP79440-2 100ug #AP79440-3 1mg

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## Description

Product Name	Runt-related transcription factor 2
Brief Description	Recombinant Protein
Host Species	E.coli
Purification	Greater than 90% by SDS-PAGE
Species Reactivity	Human
Immunogen Description	101-229AA
Other Names	AML3,CBFA1,OSF2,PEBP2A,Acute myeloid leukemia 3 protein,Core-binding factor subunit alpha-1,Oncogene AML-3,Osteoblast-specific transcription factor 2,Polyomavirus enhancer-binding protein 2 alpha A subunit,SL3-3 enhancer factor 1 alpha A subunit,SL3/AKV core-binding factor alpha A subunit,CBF-alpha-1,OSF-2,PEA2-alpha A
Accession No.	Q13950Gene name:RUNX2
Uniprot	Q13950
GeneID	860;
Calculated MW	14.19
Tag Info	His
Formulation	50mM NaH <sub>2</sub> PO <sub>4</sub> , 500mM NaCl Buffer with 500mM Imidazole,10%glycerol(PH8.0)
Storage	Store at -20C. (Avoid repeated freezing and thawing.)Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

## 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) (By similarity). Inhibits KAT6B-dependent transcriptional activation.

## References

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Note: This product is for in vitro research use only