10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

RUNX2 antibody - middle region

Rabbit Polyclonal Antibody
Catalog # AI11017

Product Information

Application	WB
Primary Accession	Q13950
Other Accession	NM_001024630, NP_001019801
Reactivity	Human, Mouse, Rat, Rabbit, Dog, Bovine
Predicted	Mouse, Rat, Rabbit, Pig, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	56648

Additional Information

Gene ID	860
Alias Symbol	CCD, AML3, CCD1, OSF2, CBFA1, OSF-2, PEA2aA, PEBP2A1, PEBP2A2, PEBP2aA, PEBP2aA1
Other Names	Runt-related transcription factor 2, Acute myeloid leukemia 3 protein, Core-binding factor subunit alpha-1, CBF-alpha-1, Oncogene AML-3, Osteoblast-specific transcription factor 2, OSF-2, Polyomavirus enhancer-binding protein 2 alpha A subunit, PEA2-alpha A, PEBP2-alpha A, SL3-3 enhancer factor 1 alpha A subunit, SL3/AKV core-binding factor alpha A subunit, RUNX2, AML3, CBFA1, OSF2, PEBP2A
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 100 ul of distilled water. Final anti-RUNX2 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
Precautions	RUNX2 antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	RUNX2
Synonyms	AML3, CBFA1, OSF2, PEBP2A
Function	Transcription factor involved in osteoblastic differentiation and skeletal morphogenesis (PubMed:28505335, PubMed:28703881, PubMed:28738062, PubMed:16299379). Essential for the maturation of osteoblasts and both

intramembranous and endochondral ossification. CBF binds to the core site, 5'-PYGPYGGT-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.

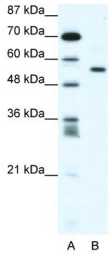
Cellular Location Nucleus. Cytoplasm {ECO:0000250|UniProtKB:Q08775}

Tissue Location Specifically expressed in osteoblasts.

References

Guo,J., et al., (2006) Dev. Biol. 292 (1), 116-128Reconstitution and Storage:For short term use, store at 2-8C up to 1 week. For long term storage, store at -20C in small aliquots to prevent freeze-thaw cycles.Publications:Schuchardt, M. et al. Uridine adenosine tetraphosphate activation of the purinergic receptor P2Y enhances in vitro vascular calcification. Kidney Int. 81, 256-65 (2012). WB, Mouse, Bovine, Rat, Rabbit, Guinea pig, Dog, Human21956191

Images



WB Suggested Anti-RUNX2 Antibody Titration: 1.25µg/ml
ELISA Titer: 1:1562500
Positive Control: Jurkat cell lysate

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.