

# RUNX2 antibody - middle region

Rabbit Polyclonal Antibody

Catalog # AI11017

## Product Information

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<b>Application</b>	WB
<b>Primary Accession</b>	<a href="#">Q13950</a>
<b>Other Accession</b>	<a href="#">NM_001024630</a> , <a href="#">NP_001019801</a>
<b>Reactivity</b>	Human, Mouse, Rat, Rabbit, Dog, Bovine
<b>Predicted</b>	Mouse, Rat, Rabbit, Pig, Bovine
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Calculated MW</b>	56648

## Additional Information

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<b>Gene ID</b>	860
<b>Alias Symbol</b>	CCD, AML3, CCD1, OSF2, CBFA1, OSF-2, PEA2aA, PEBP2A1, PEBP2A2, PEBP2aA, PEBP2aA1
<b>Other Names</b>	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
<b>Format</b>	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
<b>Reconstitution &amp; Storage</b>	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.
<b>Precautions</b>	RUNX2 antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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<b>Name</b>	RUNX2
<b>Synonyms</b>	AML3, CBFA1, OSF2, PEBP2A
<b>Function</b>	Transcription factor involved in osteoblastic differentiation and skeletal morphogenesis (PubMed: <a href="#">28505335</a> , PubMed: <a href="#">28703881</a> , PubMed: <a href="#">28738062</a> ). 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.

<b>Cellular Location</b>	Nucleus. Cytoplasm {ECO:0000250 UniProtKB:Q08775}
<b>Tissue Location</b>	Specifically expressed in osteoblasts.

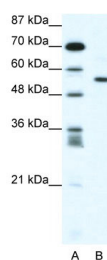
## References

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Guo,J., et al., (2006) Dev. Biol. 292 (1), 116-128  
Reconstitution 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

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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'.