

**RUNX2 antibody - middle region**  
**Rabbit Polyclonal Antibody**  
**Catalog # AI11017****Specification**

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**RUNX2 antibody - middle region - Product Information**

Application	WB
Primary Accession	<a href="#">Q13950</a>
Other Accession	<a href="#">NM_001024630</a> , <a href="#">NP_001019801</a>
Reactivity	Human, Mouse, Rat, Rabbit, Bovine, Dog
Predicted	Mouse, Rat, Rabbit, Pig, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	57kDa KDa

**RUNX2 antibody - middle region - 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.

**RUNX2 antibody - middle region - Protein Information****Name** RUNX2**Synonyms** AML3, CBFA1, OSF2, PEBP2A**Function**

Transcription factor involved in osteoblastic differentiation and skeletal morphogenesis

(PubMed:<a href="http://www.uniprot.org/citations/28505335" target="\_blank">28505335</a>, PubMed:<a href="http://www.uniprot.org/citations/28703881" target="\_blank">28703881</a>, PubMed:<a href="http://www.uniprot.org/citations/28738062" target="\_blank">28738062</a>). 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

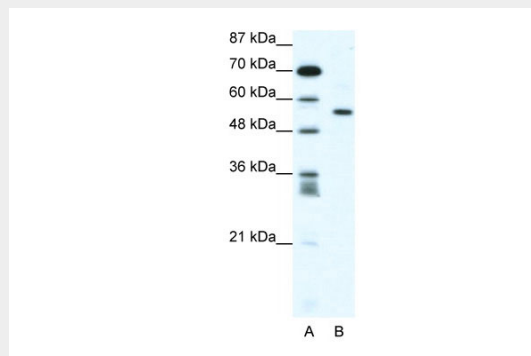
Specifically expressed in osteoblasts.

### RUNX2 antibody - middle region - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### RUNX2 antibody - middle region - Images



WB Suggested Anti-RUNX2 Antibody Titration: 1.25µg/ml

ELISA Titer: 1:1562500

Positive Control: Jurkat cell lysate

### RUNX2 antibody - middle region - References

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