

Rabbit RUNX2 Polyclonal Antibody | anti-RUNX2 antibody

Phospho-RUNX2 (Ser275) Antibody

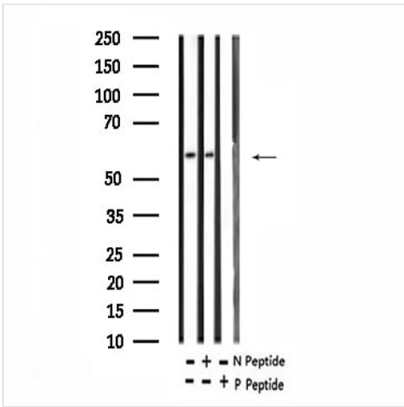
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA328508	Rabbit	Human, Mouse, Rat	ELISA, Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

RUNX2; Polyclonal Antibody; Phospho-RUNX2 (Ser275) Antibody; Acute myeloid leukemia 3 protein; Alpha subunit 1; AML3; CBF alpha 1; CBF-alpha-1; CBFA1; CCD; CCD1; Cleidocranial dysplasia 1; Core binding factor; Core binding factor runt domain alpha subunit 1; Core binding factor subunit alpha 1; Core-binding factor subunit alpha-1; MGC120022; MGC120023; Oncogene AML 3; Oncogene AML-3; OSF 2; OSF-2; OSF2; Osteoblast specific transcription factor 2; Osteoblast-specific transcription factor 2; OTTHUMP00000016533; PEA2 alpha A; PEA2-alpha A; PEA2aA; PEBP2 alpha A; PEBP2-alpha A; PEBP2A1; PEBP2A2; PEBP2aA; PEBP2aA1; Polyomavirus enhancer binding protein 2 alpha A subunit; Polyomavirus enhancer-binding protein 2 alpha A subunit; Runt domain; Runt related transcription factor 2; Runt-related transcription factor 2; RUNX2_HUMAN; SL3 3 enhancer factor 1 alpha A subunit; SL3-3 enhancer factor 1 alpha A subunit; SL3/AKV core binding factor alpha A subunit; SL3/AKV core-binding factor alpha A subunit; anti-RUNX2 antibody

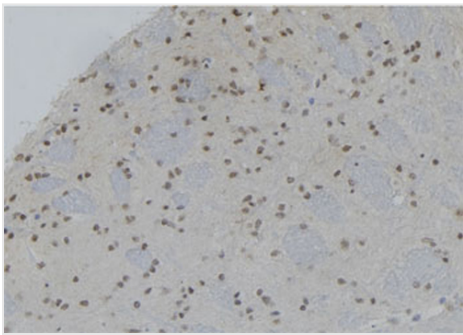
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	Phospho-RUNX2 (Ser275) Antibody detects endogenous levels of RUNX2 only when phosphorylated at Ser275.
Purity/Purification	Peptide affinity purification.
Form/Format	Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	521
Applicable Applications for anti-RUNX2 antibody	ELISA, IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human RUNX2 around the phosphorylation site of Ser275.
Preparation and Storage	Store at -20°C. Stable for 12 months from date of receipt.



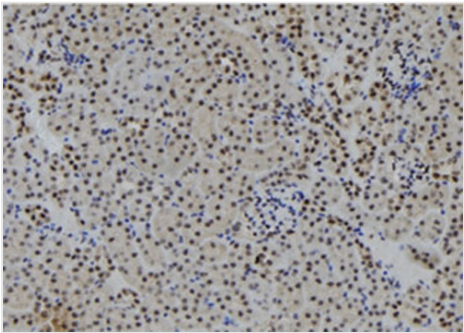
WB (Western Blot)

Western blot analysis of extracts of Mouse thymus tissue sample, using Phospho-RUNX2 (Ser275) Antibody.



IHC (Immunohistochemistry)

AAA328508 at 1/100 staining rat brain tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary



IHC (Immunohistochemistry)

AAA328508 at 1/100 staining mouse kidney tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary

ADDITIONAL INFORMATION

Related Product Information for anti-RUNX2 antibody	Description: Transcription factor involved in osteoblastic differentiation and skeletal morphogenesis (PubMed:28505335, PubMed:28738062, PubMed:28703881). 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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	17368460
NCBI GeneID	860
UniProt Accession #	Q13950
Molecular Weight	50-60kd
NCBI Official Full Name	Runt-related transcription factor 2
NCBI Official Synonym Full Names	RUNX family transcription factor 2
NCBI Official Symbol	RUNX2
NCBI Official Synonym Symbols	CCD; AML3; CCD1; CLCD; OSF2; CBFA1; OSF-2; PEA2aA; PEBP2aA; CBF-alpha-1

NCBI Protein Information	runt-related transcription factor 2
UniProt Protein Name	Runt-related transcription factor 2
UniProt Gene Name	RUNX2
UniProt Synonym Gene Names	AML3; CBFA1; OSF2; PEBP2A; CBF-alpha-1; OSF-2; PEA2-alpha A; PEBP2-alpha A
UniProt Entry Name	RUNX2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/runx2-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/328508>