

Rabbit Runt-related transcription factor 2 Polyclonal Antibody | anti-RUNX2 antibody

Anti-RUNX2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA46029	Rabbit	Human, Mouse. No cross reactivity with other proteins.	Western Blot

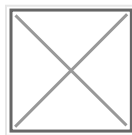
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

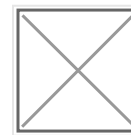
Host	Rabbit
Reactivity	Human, Mouse. No cross reactivity with other proteins.
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3.
Sequence Length	499
Applicable Applications for anti-RUNX2 antibody	WB (Western Blot)
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Immunogen	A synthetic peptide corresponding to a sequence in the middle region of human RUNX2(244-278aa DRLSDLGRIPHPSMRVGVPQNPRLNSAPSPFN), identical to the related mouse sequence.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES



Application Data

Anti-RUNX2 Picoband antibody, AAA46029-2.jpgAll lanes: Anti RUNX2 (AAA46029) at 0.5ug/mlLane 1: HELA Whole Cell Lysate at 40ugLane 2: A431 Whole Cell Lysate at 40ugLane 3: K562 Whole Cell Lysate at 40ugLane 4: JURKAT Whole Cell Lysate at 40ugPredicted bind size: 56KDObserved bind size: 62KD



Application Data

Anti-RUNX2 Picoband antibody, AAA46029-1.jpgAll lanes: Anti RUNX2 (AAA46029) at 0.5ug/mlWB: Recombinant Human RUNX2 Protein 0.5ngPredicted bind size: 50KDObserved bind size: 50KD

ADDITIONAL INFORMATION

Related Product Information for anti-RUNX2 antibody	Description: Rabbit IgG polyclonal antibody for Runt-related transcription factor 2(RUNX2) detection. Tested with WB in Human;Mouse. Background: Core binding factor A1 (CBFA1/RUNX2) is a runt-like transcription factor essential for osteoblast differentiation. This protein is a member of the RUNX family of transcription factors and has a Runt DNA-binding domain. It is essential for osteoblastic differentiation and skeletal morphogenesis and acts as a scaffold for nucleic acids and regulatory factors involved in skeletal gene expression. RUNX2 plays a non-redundant role for Cbfa1 in tooth development that may be distinct from that in bone formation. In odontogenesis, RUNX2 is not involved in the early signaling networks regulating tooth initiation and early morphogenesis but regulates key epithelial-mesenchymal interactions that control advancing morphogenesis and histodifferentiation of the epithelial enamel organ.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	226442791
NCBI GeneID	860
NCBI Accession #	NP_001015051.3
NCBI GenBank Nucleotide #	NM_001015051.3
UniProt Accession #	Q13950; O14614; O14615; O95181
Molecular Weight	54,249 Da
NCBI Official Full Name	runt-related transcription factor 2 isoform b
NCBI Official Synonym Full Names	runt-related 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; PEA2-alpha A; PEBP2-alpha A; oncogene AML-3; acute myeloid leukemia 3 protein; SL3-3 enhancer factor 1 alpha A subunit; osteoblast-specific transcription factor 2; SL3/AKV core-binding factor alpha A subunit; core-binding factor, runt domain, alpha subunit 1; polyomavirus enhancer-binding protein 2 alpha A subunit
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.