

Rabbit RUNX2 Polyclonal Antibody | anti-RUNX2 antibody

RUNX2 antibody - N-terminal region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA198317	Rabbit	Tested: Human Mouse Predicted: Cow, Guinea Pig, Horse, Human, Mouse, Rat, Zebrafish	Western Blot

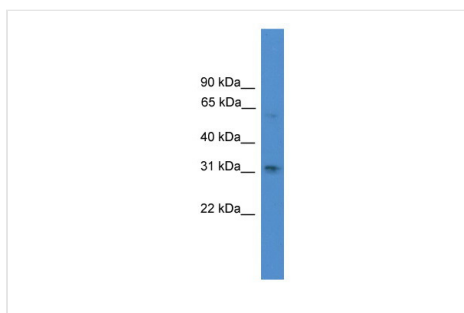
PRODUCT SYNONYMS

RUNX2; Polyclonal Antibody; RUNX2 antibody - N-terminal region; anti-RUNX2 antibody

PRODUCT SPECIFICATIONS

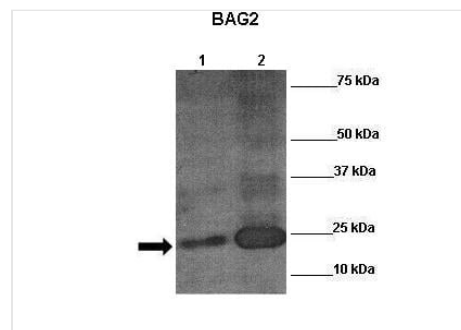
Host	Rabbit
Reactivity	Tested: Human Mouse Predicted: Cow, Guinea Pig, Horse, Human, Mouse, Rat, Zebrafish
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide with the following region: MR IPVDPSTSR R FSPSSSLQP GKMSDVSPVV AAQQQQQQQQ QQQQQQQQ
Sequence Length	507
Applicable Applications for anti-RUNX2 antibody	WB (Western Blot)
Homology	Cow: 92%; Guinea Pig: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Rat: 100%; Zebrafish: 100%
Immunogen	The immunogen is a synthetic peptide directed towards the N terminal region of human RUNX2
Protein Size (#AA)	507 amino acids
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



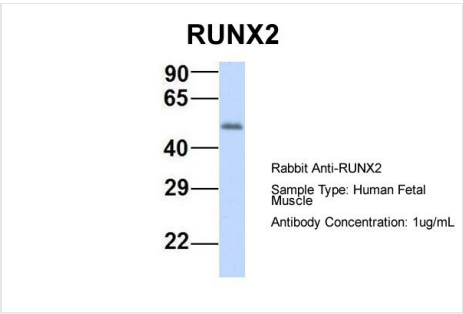
WB (Western Blot)

WB Suggested Anti-RUNX2 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:312500 Positive Control: 721_B cell lysate RUNX2 is strongly supported by BioGPS gene expression data to be expressed in Human 721_B cells



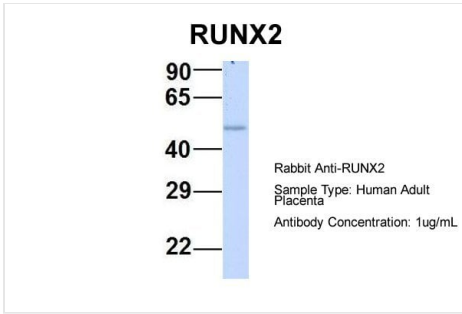
WB (Western Blot)

Sample Type : Lane 1: 20ug mouse mesenchymal stem cell lysate Primary Antibody Dilution : 1:2000 Secondary Antibody: Anti-rabbit-HRP Secondary Antibody Dilution: 1:10,000 Color/Signal Descriptions: RUNX2 Gene Name: Anonymous Submitted by:



WB (Western Blot)

Host: RabbitTarget Name: RUNX2Sample Type: Human Fetal MuscleAntibody Dilution: 1.0ug/ml



WB (Western Blot)

Host: RabbitTarget Name: RUNX2Sample Type: Human Adult PlacentaAntibody Dilution: 1.0ug/ml

ADDITIONAL INFORMATION

Related Product Information for anti-RUNX2 antibody	This is a rabbit polyclonal antibody against RUNX2. It was validated on Western Blot Target Description: RUNX2 is a member of the RUNX family of transcription factors and encodes a nuclear protein with an Runt DNA-binding domain. This protein is essential for osteoblastic differentiation and skeletal morphogenesis, acting as a scaffold for nucleic acids and regulatory factors involved in skeletal gene expression. The protein can bind DNA both as a monomer or, with more affinity, as a subunit of a heterodimeric complex. Mutations in this gene have been associated with the bone development disorder cleidocranial dysplasia (CCD). Transcript variants, encoding different protein isoforms, result from alternate promoter use as well as alternate splicing.
Product Categories/Family for anti-RUNX2 antibody	Polyclonal; Transcription Factor; Transcription Regulation; Cell Biology; Signal Transduction; Transcription Factors

NCBI AND UNIPROT INFORMATION

NCBI GI #	17368460
NCBI GeneID	860
NCBI Accession #	NP_004339
NCBI GenBank Nucleotide #	NM_004348
UniProt Accession #	Q13950
Molecular Weight	55kDa
NCBI Official Full Name	Runt-related transcription factor 2
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
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.

