

Product datasheet for **TA343456**

RUNX2 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-RUNX2 antibody: synthetic peptide directed towards the N terminal of human RUNX2. Synthetic peptide located within the following region: MRIPVDPSTSRRFSPSSSLQPGKMSDVSPVAAQQQQQQQQQQQQQQ
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	55 kDa
Gene Name:	runt related transcription factor 2
Database Link:	NP_004339 Entrez Gene 12393 Mouse Entrez Gene 860 Human Q13950



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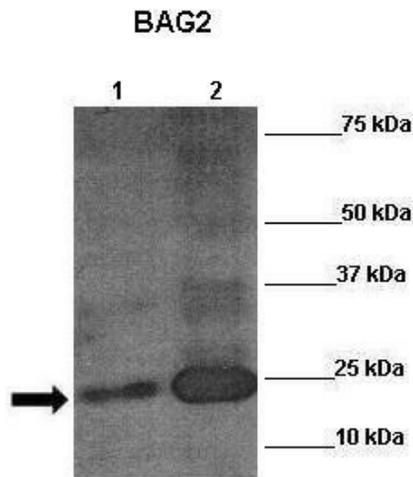
Background: RUNX2 is a member of the RUNX family of transcription factors and encodes a nuclear protein with an Runt DNA-binding domain. This protein is essential for osteoblastic differentiation and skeletal morphogenesis, acting as a scaffold for nucleic acids and regulatory factors involved in skeletal 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.

Synonyms: AML3; CBFA1; CCD; CCD1; OSF-2; OSF2; PEA2aA; PEBP2A1; PEBP2A2; PEBP2aA; PEBP2aA1

Note: Immunogen Sequence Homology: Pig: 100%; Rat: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Zebrafish: 100%; Guinea pig: 100%; Bovine: 92%

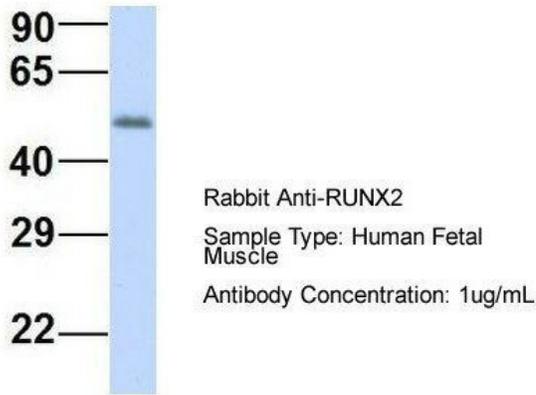
Protein Families: Druggable Genome, Transcription Factors

Product images:



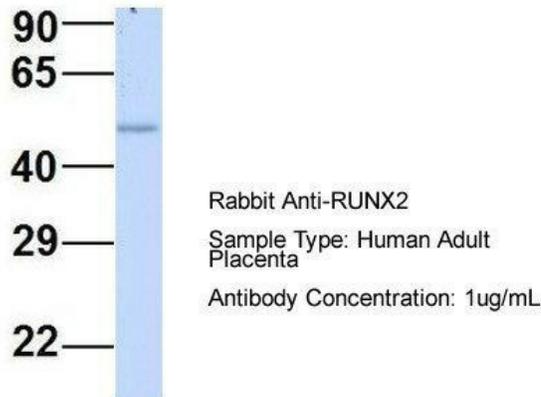
Sample Type: Lane 1: 20ug mouse mesenchymal stem cell lysate Primary Antibody Dilution: 1: 2000 Secondary Antibody: Anti-rabbit-HRP Secondary Antibody Dilution: 1: 10, 000 Color/Signal Descriptions: RUNX2 Gene Name: Anonymous Submitted by:

RUNX2

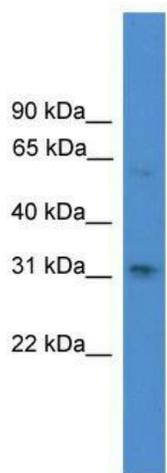


Host: Rabbit; Target Name: RUNX2; Sample Tissue: Human Fetal Muscle; Antibody Dilution: 1.0 ug/ml

RUNX2



Host: Rabbit; Target Name: RUNX2; Sample Tissue: Human Adult Placenta; Antibody Dilution: 1.0 ug/ml



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