

Datasheet for ABIN2774905

anti-RUNX2 antibody (Middle Region)[Go to Product page](#)**2** Images**1** Publication

Overview

Quantity:	100 µL
Target:	RUNX2
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat, Cow, Dog, Guinea Pig, Rabbit
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RUNX2 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human RUNX2
Sequence:	DTATSDFCLW PSTLSKKSQA GASELGPFSD PRQFPSISL TESRFSNPRM
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%
Characteristics:	This is a rabbit polyclonal antibody against RUNX2. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Protein A purified

Target Details

Target:	RUNX2
Alternative Name:	RUNX2 (RUNX2 Products)

Target Details

Background:	<p>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.</p> <p>Alias Symbols: CCD, AML3, CCD1, OSF2, CBFA1, OSF-2, PEA2aA, PEBP2A1, PEBP2A2, PEBP2aA, PEBP2aA1</p> <p>Protein Interaction Partner: HDAC7, HDAC6, TP53, UBC, RB1, PML, HIF1A, SMURF1, SMAD1, SMURF2, HIVEP3, WWP1, FHL2, UBTF, SUV39H1, HDAC1, STAT3, SMAD3, RBM14, SOX9, NR0B2, EP300, HDAC5, HDAC4, HDAC3, CREBBP, XRCC5, HES1, XRCC6, BMPR1A, KAT2B, TLE1, YAP1, KAT6B, TAF1A, AXIN1, SMAD6, MAP</p> <p>Protein Size: 521</p>
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Molecular Weight:	57 kDa
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Gene ID:	860
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NCBI Accession:	NM_001024630 , NP_001019801
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UniProt:	Q13950
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Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
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Comment:	Antigen size: 521 AA
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Restrictions:	For Research Use only
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Handling

Format:	Liquid
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Concentration:	Lot specific
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Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
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Preservative:	Sodium azide
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Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which
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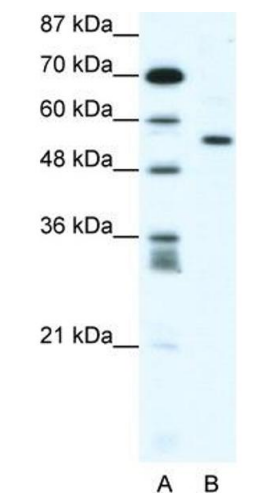
Handling

	should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

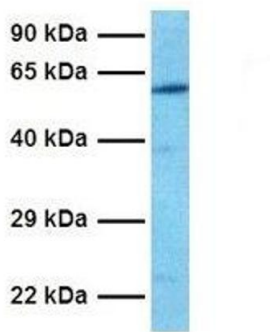
Publications

Product cited in:	Schuchardt, Tölle, Prüfer, Prüfer, Huang, Jankowski, Jankowski, Zidek, van der Giet: "Uridine adenosine tetraphosphate activation of the purinergic receptor P2Y enhances in vitro vascular calcification." in: Kidney international , Vol. 81, Issue 3, pp. 256-65, (2012) (PubMed).
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Images



RUNX2



Western Blotting

Image 1. WB Suggested Anti-RUNX2 Antibody Titration: 1.25ug/ml ELISA Titer: 1:1562500 Positive Control: Jurkat cell lysate

Western Blotting

Image 2. Host: Rabbit Target Name: RUNX2 Sample Tissue: Human Jurkat Antibody Dilution: 1.0ug/ml