

Datasheet for ABIN7270117

anti-RUNX2 antibody**3** Images[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	RUNX2
Reactivity:	Human
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This RUNX2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunoprecipitation (IP)

Product Details

Purpose:	RUNX2 Rabbit mAb
Immunogen:	A synthesized peptide derived from human RUNX2
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Characteristics:	Monoclonal Antibodies
Purification:	Affinity purification

Target Details

Target:	RUNX2
Alternative Name:	RUNX2 (RUNX2 Products)
Background:	This gene is a member of the RUNX family of transcription factors and encodes a nuclear

Target Details

protein with an Runt DNA-binding domain. This protein is essential for osteoblastic differentiation and skeletal morphogenesis and acts 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. Two regions of potential trinucleotide repeat expansions are present in the N-terminal region of the encoded protein, and these and other mutations in this gene have been associated with the bone development disorder cleidocranial dysplasia (CCD). Transcript variants that encode different protein isoforms result from the use of alternate promoters as well as alternate splicing. [provided by RefSeq, Jul 2016],AML3, CBF-alpha-1, CBFA1, CCD, CCD1, CLCD, OSF-2, OSF2, PEA2aA, PEBP2aA,Cell Biology & Developmental Biology,Epigenetics & Nuclear Signaling,Extracellular Matrix,Extracellular Matrix_Bone,Hippo Signaling Pathway,Mesenchymal Stem Cells,Stem Cells,TGF-b-Smad Signaling Pathway_Target gene,Transcription Factors,RUNX2

Molecular Weight: kDa

Gene ID: 860

UniProt: [Q13950](#)

Application Details

Application Notes: WB,1:500 - 1:2000,IP,1:50 - 1:200

Restrictions: For Research Use only

Handling

Format: Liquid

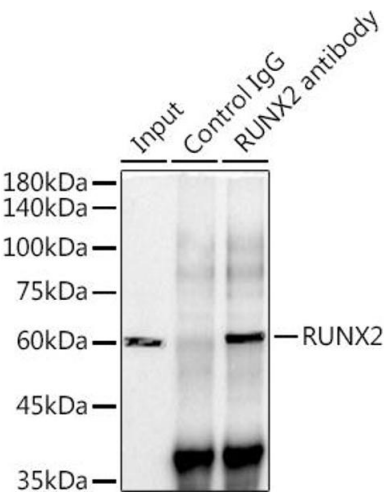
Buffer: PBS with 0.02 % sodium azide,0.05 % BSA,50 % glycerol, pH 7.3.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

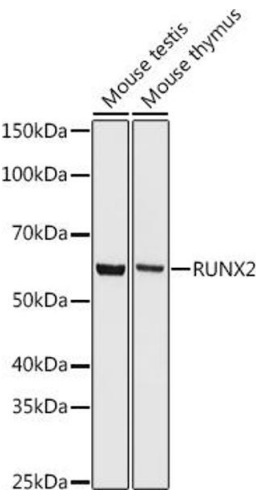
Storage: -20 °C

Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.



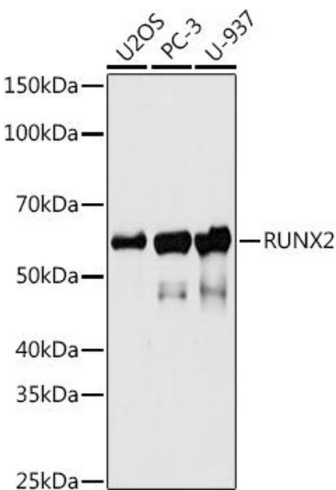
Immunoprecipitation

Image 1. Immunoprecipitation analysis of 300 µg extracts of Mouse testis cells using 3 µg RUNX2 antibody (ABIN7270117). Western blot was performed from the immunoprecipitate using RUNX2 antibody (ABIN7270117) at a dilution of 1:500.



Western Blotting

Image 2. Western blot analysis of extracts of various cell lines, using RUNX2 antibody (ABIN7270117) at 1:500 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 10s.



Western Blotting

Image 3. Western blot analysis of extracts of various cell lines, using RUNX2 antibody (ABIN7270117) at 1:500 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 180s.