

Rabbit RUNX1 Polyclonal Antibody | anti-RUNX1 antibody

RUNX1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA29718	Rabbit	Human, Mouse, Rat	Western Blot, Immunohistochemistry, Immunofluorescence, Immunoprecipitation

PRODUCT SYNONYMS

RUNX1; Polyclonal Antibody; RUNX1 Antibody; AML1; AML1-EVI-1; AMLCR1; CBFA2; EVI-1; anti-RUNX1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Specificity	The antibody detects endogenous level of total RUNX1 protein.
Purity/Purification	Antibodies were purified by affinity purification using immunogen.
Form/Format	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1.0 mg/ml (varies by lot)
Sequence Length	453
Applicable Applications for anti-RUNX1 antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence), IP (Immunoprecipitation)
Application Notes	Western blotting: 1:500 - 1:2000 Immunohistochemistry: 1:50 - 1:100 Immunofluorescence: 1:50 - 1:200 Immunoprecipitation: 1:20 - 1:100
Immunogen Type	Peptide
Immunogen Description	A synthetic peptide of human RUNX1.
Target Name	RUNX1
Preparation and Storage	Store at -20 degree C

IMAGES



IF (Immunofluorescence)

Immunofluorescence analysis of A549 cell using RUNX1 antibody. Blue: DAPI for nuclear staining.



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded rat kidney using RUNX1 antibody at dilution of 1:100 (400x lens).

**IHC (Immunohistochemistry)**

Immunohistochemical analysis of paraffin-embedded rat brain using RUNX1 antibody at dilution of 1:100 (400x lens).

**IHC (Immunohistochemistry)**

Immunohistochemical analysis of paraffin-embedded mouse kidney using RUNX1 antibody at dilution of 1:100 (400x lens).

**IHC (Immunohistochemistry)**

Immunohistochemical analysis of paraffin-embedded mouse brain using RUNX1 antibody at dilution of 1:100 (400x lens).

**WB (Western Blot)**

Western blot analysis of extracts of various cell lines, using RUNX1 antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-RUNX1 antibody	AML1 (also known as Runx1, CBFA2, and PEBP2aB) is a member of the core binding factor (CBF) family of transcription factors (1,2). It is required for normal development of all hematopoietic lineages (3-5). AML1 forms a heterodimeric DNA binding complex with its partner protein CBFb and regulates the expression of cellular genes by binding to promoter and enhancer elements. AML1 is commonly translocated in hematopoietic cancers: chromosomal translocations include t(8;21) AML1-ETO, t(12;21) TEL-AML, and t(8;21) AML-M2 (6). Phosphorylation of AML1 on several potential serine and threonine sites, including Ser249, is thought to occur in an Erk-dependent manner (7,8).
Product Categories/Family for anti-RUNX1 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	49574546
NCBI GeneID	861
NCBI Accession #	NP_001001890.1
NCBI GenBank Nucleotide #	NM_001001890.2
UniProt Accession #	Q01196; O60472; O60473; O76047; O76089; Q13081; Q13755; Q13756; Q13757; A8MV94; B2RMS4; D3DSG1
Molecular Weight	37,733 Da
NCBI Official Full Name	runt-related transcription factor 1 isoform AML1b
NCBI Official Synonym Full Names	runt-related transcription factor 1
NCBI Official Symbol	RUNX1
NCBI Official Synonym Symbols	AML1; CBFA2; EVI-1; AMLCR1; PEBP2aB; CBF2alpha; AML1-EVI-1; PEBP2alpha
NCBI Protein Information	runt-related transcription factor 1
UniProt Protein Name	Runt-related transcription factor 1
UniProt Gene Name	RUNX1
UniProt Synonym Gene Names	AML1; CBFA2; CBF-alpha-2; PEA2-alpha B; PEBP2-alpha B
UniProt Entry Name	RUNX1_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.