



Rabbit Anti-RUNX1 + RUNX2 antibody

SL18970R

Product Name:	RUNX1 + RUNX2
Chinese Name:	急性髓细胞白血病1蛋白1/2抗体
Alias:	Acute myeloid leukemia 1; Acute myeloid leukemia 1 protein; alpha subunit core binding factor; AML 1; AML1; AML1 EVI 1; AML1 EVI 1 fusion protein; Aml1 oncogene; AMLCR 1; AMLCR1; CBF alpha 2; CBF-alpha-2; CBFA 2; CBFA2; Core binding factor alpha 2 subunit; Core binding factor runt domain alpha subunit 2; Core-binding factor subunit alpha-2; EVI 1; EVI1; HGNC; Oncogene AML 1; Oncogene AML-1; OTTHUMP00000108696; OTTHUMP00000108697; OTTHUMP00000108699; OTTHUMP00000108700; OTTHUMP00000108702; PEA2 alpha B; PEA2-alpha B; PEBP2 alpha B; PEBP2-alpha B; PEBP2A2; PEBP2aB; Polyomavirus enhancer binding protein 2 alpha B subunit; Polyomavirus enhancer-binding protein 2 alpha B subunit; Run1; Runt related transcription factor 1; Runt-related transcription factor 1; RUNX 1; Runx1; RUNX1_HUMAN; SL3 3 enhancer factor 1 alpha B subunit; SL3-3 enhancer factor 1 alpha B subunit; SL3/AKV core binding factor alpha B subunit; SL3/AKV core-binding factor alpha B subunit.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Cow,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	49kDa
Cellular localization:	The nucleus
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human RUNX1 + RUNX2:201-300/453
Lsotype:	IgG
Purification:	affinity purified by Protein A

Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	<p>This gene 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 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. 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 2008]</p> <p>Function: CBF binds to the core site, 5'-PYGPYGGT-3', of a number of enhancers and promoters, including murine leukemia virus, polyomavirus enhancer, T-cell receptor enhancers, LCK, IL-3 and GM-CSF promoters. The alpha subunit binds DNA and appears to have a role in the development of normal hematopoiesis. Isoform AML-1L interferes with the transactivation activity of RUNX1. Acts synergistically with ELF4 to transactivate the IL-3 promoter and with ELF2 to transactivate the mouse BLK promoter. Inhibits KAT6B-dependent transcriptional activation.</p> <p>Subcellular Location: Nucleus.</p> <p>Tissue Specificity: Expressed in all tissues examined except brain and heart. Highest levels in thymus, bone marrow and peripheral blood.</p> <p>Post-translational modifications: Phosphorylated in its C-terminus upon IL-6 treatment. Phosphorylation enhances interaction with KAT6A. Methylated. Phosphorylated in Ser-249 Thr-273 and Ser-276 by HIPK2 when associated with CFBF and DNA. This phosphorylation promotes subsequent EP300 phosphorylation.</p> <p>Similarity: Contains 1 Runt domain.</p> <p>SWISS: Q01196</p> <p>Gene ID:</p>

861

Database links:

[Entrez Gene: 860](#) Human

[Entrez Gene: 861](#) Human

[SwissProt: Q01196](#) Human

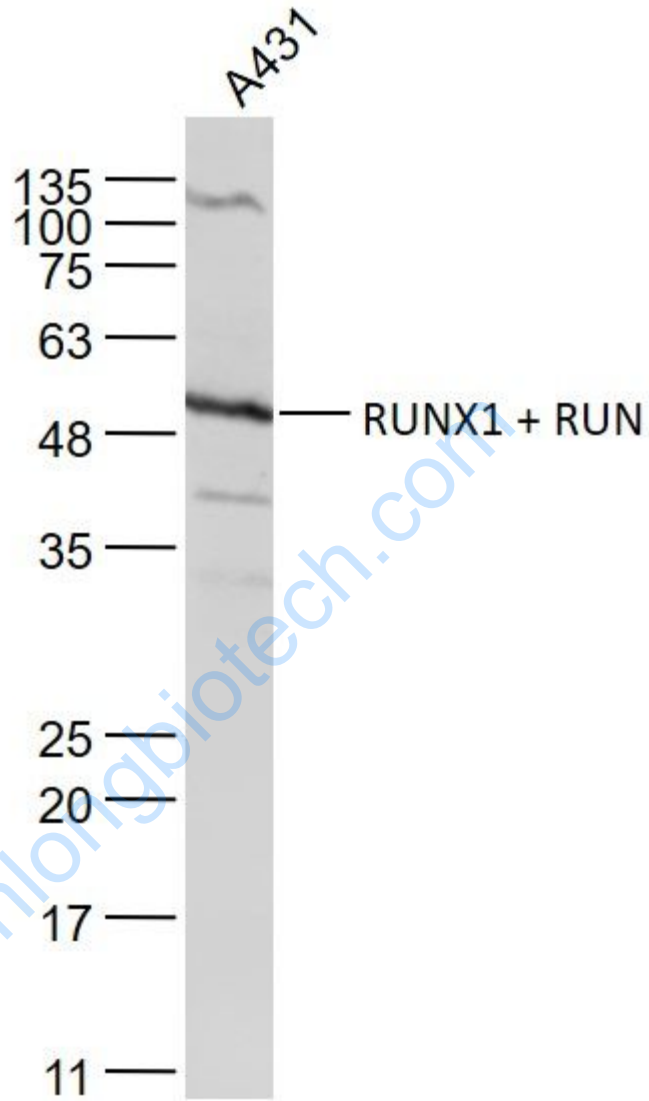
[SwissProt: Q13950](#) Human

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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Picture:



Sample:

A431(Human) Cell Lysate at 30 ug

Primary: Anti-RUNX1 + RUNX2 (SL18970R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 49 kD

	Observed band size: 49 kD
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