

Rabbit anti-Human, mouse AML1 Polyclonal Antibody | anti-RUNX1 antibody

AML1 Rabbit pab Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA36736	Rabbit	Human, mouse	Flow Cytometry, Functional Assay, Immunoprecipitation, Immunocytochemistry, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

AML1; Polyclonal Antibody; AML1 Rabbit pab Antibody; RUNX1; AML1 ; RUNX1 ; AML1-EVI-1 ; AMLCR1; CBFA2; EVI-1 ; PEBP2aB ; Runt-related transcription factor 1; SL3-3 enhancer factor 1 alpha B subunit ; SL3/AKV core-binding factor alpha B subunit ;; anti-RUNX1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, mouse
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.09% Sodium azide, 50% glycerol, pH7.3.
Sequence Length	453
Applicable Applications for anti-RUNX1 antibody	FCM/FACS (Flow Cytometry), IP (Immunoprecipitation), ICC (Immunocytochemistry), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic -peptide of human AML1
Preparation and Storage	Upon delivery aliquot and store at -20 degree C or -80 degree C.

IMAGES



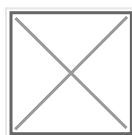
IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded rat liver using RUNX1 antibody at dilution of 1:100 (40x lens).



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human stomach using RUNX1 antibody at dilution of 1:100 (40x lens).



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded mouse kidney using RUNX1 antibody at dilution of 1:100 (40x lens).

ADDITIONAL INFORMATION

Related Product Information for anti-RUNX1 antibody	Rabbit polyclonal to Human AML1 AML1 (also known as Runx1, CBFA2, and PEBP2alphaB) 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 CBFbeta 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).
References	1. Wang, S. et al. (1993) Mol Cell Biol 13, 3324-3339. 2. Ogawa, E. et al. (1993) Proc. Natl. Acad. Sci. USA 90, 6859-6863. 3. Okuda, T. et al. (1996) Cell 84, 321-30. 4. Wang, Q. et al. (1996) Proc. Natl. Acad. Sci. USA 93, 3444-3449. 5. North, T.E. et al. (2004) Stem Cells 22, 158-168. 6. Blyth, K. et al. (2005) Nat Rev Cancer 5, 376-387. 7. Tanaka, T. et al. (1996) Mol Cell Biol 16, 3967-79. 8. Zhang, Y. et al. (2004) J Biol Chem 279, 53116-25.

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	453
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; AML1-EVI-1
NCBI Protein Information	runt-related transcription factor 1; CBF-alpha-2; PEA2-alpha B; PEBP2-alpha B; oncogene AML-1; AML1-EVI-1 fusion protein; acute myeloid leukemia 1 protein; SL3-3 enhancer factor 1 alpha B subunit; SL3/AKV core-binding factor alpha B subunit; core-binding factor, runt domain, alpha subunit 2; polyomavirus enhancer-binding protein 2 alpha B subunit
UniProt Protein Name	Runt-related transcription factor 1
UniProt Gene Name	RUNX1
UniProt Synonym Gene Names	AML1; CBFA2; CBF-alpha-2; PEA2-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.