

Mouse RUNX1 Monoclonal Antibody | anti-RUNX1 antibody

RUNX1 (Runt-Related Transcription Factor 1, AML1, AML1-EVI-1, AMLCR1, CBFA2, EVI-1, PEBP2aB) (AP)

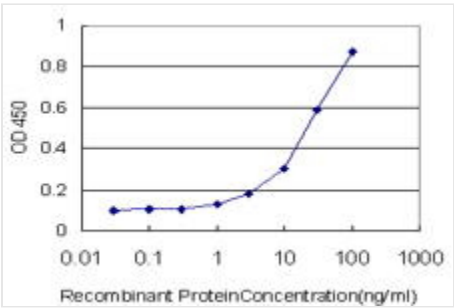
CATALOG # AAA25949	HOST Mouse	APPLICATIONS Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

RUNX1; Monoclonal Antibody; RUNX1 (Runt-Related Transcription Factor 1; AML1; AML1-EVI-1; AMLCR1; CBFA2; EVI-1; PEBP2aB) (AP); Runt-Related Transcription Factor 1; PEBP2aB; anti-RUNX1 antibody

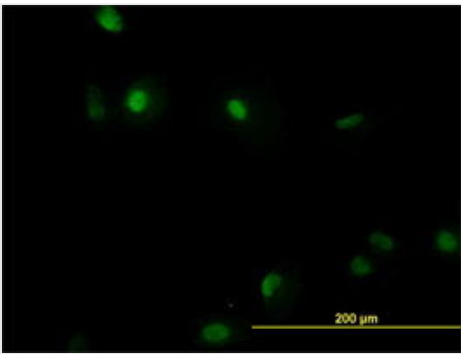
PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG2a,k
Clone Number	2C10
Specificity	Recognizes RUNX1.
Purity/Purification	Purified
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Alkaline Phosphatase (AP).
Applicable Applications for anti-RUNX1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Application Notes	Applications are based on unconjugated antibody.
Immunogen	RUNX1 (NP_001001890.1, 210aa-310aa) partial recombinant protein with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	RVSPHHPAPTPNPRA ^{SL} NHSTAFNPQPQSQMQDTRQIQPSPPPWSYDQSYQYLGSIASPSVHPATPISPGRASGMTT ^{LS} AE ^{LS} SR ^{LS} TAPDLTAFSDPRQ
Conjugate	AP
Preparation and Storage	Store product at 4 degree C. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. For maximum recovery of product, centrifuge the original vial prior to removing the cap.



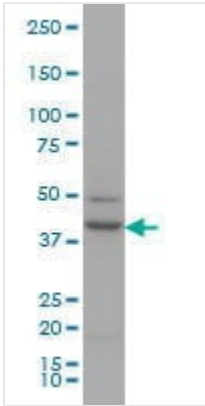
Application Data

Detection limit for recombinant GST tagged RUNX1 is approximately 1ng/ml as a capture antibody.



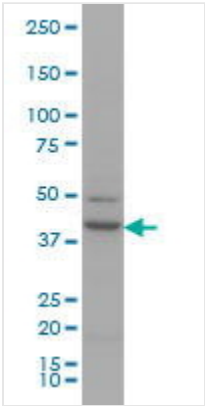
IF (Immunofluorescence)

Immunofluorescence of monoclonal antibody to RUNX1 on HeLa cell. [antibody concentration 40 ug/ml]



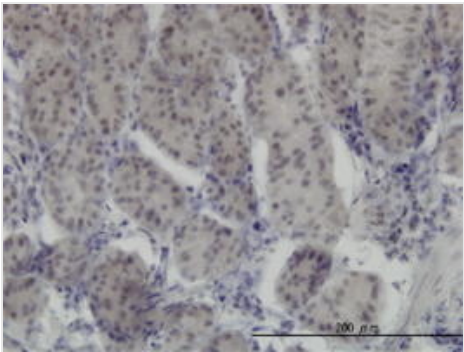
IF (Immunofluorescence)

Immunofluorescence of monoclonal antibody to RUNX1 on HeLa cell. [antibody concentration 40 ug/ml]



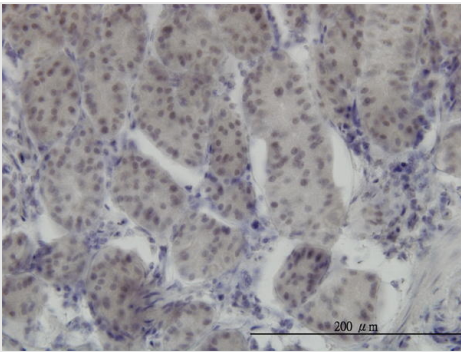
WB (Western Blot)

RUNX1 monoclonal antibody (M06), clone 2C10 Western Blot analysis of RUNX1 expression in HeLa S3 NE.



IHC (Immunohistochemistry)

Immunoperoxidase of monoclonal antibody to RUNX1 on formalin-fixed paraffin-embedded human stomach. [antibody concentration 1.5 ug/ml]



Application Data

Immunoperoxidase of monoclonal antibody to RUNX1 on formalin-fixed paraffin-embedded human stomach. [antibody concentration 1.5 ug/ml]

ADDITIONAL INFORMATION

Related Product Information for anti-RUNX1 antibody	Core binding factor (CBF) is a heterodimeric transcription factor that binds to the core element of many enhancers and promoters. The protein encoded by this gene represents the alpha subunit of CBF and is thought to be involved in the development of normal hematopoiesis. Chromosomal translocations involving this gene are well-documented and have been associated with several types of leukemia. Three transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]
Product Categories/Family for anti-RUNX1 antibody	Antibodies; Transcription Factors

References	1. Transcription factor Runx2 is a regulator of epithelial-mesenchymal transition and invasion in thyroid carcinomas.Niu DF, Kondo T, Nakazawa T, Oishi N, Kawasaki T, Mochizuki K, Yamane T, Katoh R.Lab Invest. 2012 May 28. doi: 10.1038/labinvest.2012.84. 2.Megakaryocytic expression of miRNA 10a, 17-5p, 20a and 126 in Philadelphia chromosome-negative myeloproliferative neoplasm.Hussein K, Dralle W, Theophile K, Kreipe H, Bock O.Ann Hematol. 2009 Apr;88(4):325-32. Epub 2008 Sep 5.
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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	48,737 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; 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
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.