

Mouse AF4 Monoclonal Antibody | anti-AF4 antibody

Anti-AF4 Monoclonal Antibody

CATALOG # AAA47760	HOST Mouse	APPLICATIONS Western Blot
------------------------------	----------------------	-------------------------------------

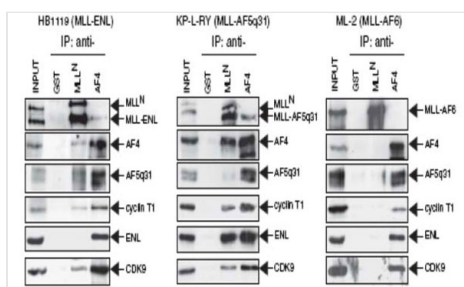
PRODUCT SYNONYMS

AF4; Monoclonal Antibody; Anti-AF4 Monoclonal Antibody; Anti-AF4; anti-AF4 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Number	C2.1.1
Specificity	This antibody recognizes human AF4.
Purity/Purification	Purified by Protein G
Form/Format	Clear Liquid
Concentration	1.1 mg/ml in PBS, pH 7.4 (varies by lot)
Sequence Length	849
Applicable Applications for anti-AF4 antibody	WB (Western Blot)
Antigen	Maltose-binding fusion protein containing AF4 amino acids 782-979 (Accession no. NP_005926).
Dilution Instructions	Dilute in PBS or medium that is identical to that used in the assay system.
Preparation and Storage	This antibody is stable for at least one (1) year at -20°C. Avoid multiple freeze-thaw cycles.

IMAGES



Application Data

IP western blot analysis was performed on human leukemia cell lines that harbor MLL chromosomal translocations and express MLL chimeric oncoproteins (indicated at tops). IP was performed with the antibodies indicated on the top of the gels, and the precipitates were immunoblotted with the antibodies indicated on the right. Antibody AAA47760 is shown as AF4. Anti-GST antibodies served as negative controls. Positive control: K562 cell lysates. Optimal dilutions/concentrations should be determined by the end user.

ADDITIONAL INFORMATION

Related Product Information for anti-AF4 antibody	The AF4 and ENL (Eleven nineteen Leukemia) protein families are the most frequent MLL fusion partners accounting for two-thirds of MLL-associated leukemia incidence. AF4 (also known as FEL) is a gene which was first described as a fusion partner with MLL in the t(4;11) acute leukemia. Based on analysis by Northern blotting, AF4 mRNAs were found to be widely expressed in hematopoietic cells and normal human tissues. cDNA sequence analysis of the AF4 gene showed that it encodes a serine/proline-rich protein with a predicted size of 130-140kDa containing guanosine triphosphate (GTP)-binding and putative nuclear-localization sequences. Studies have demonstrated that a related gene, LAF4, isolated from Burkitts lymphoma, shares high degree of sequence homology with AF4. LAF4 was shown to possess DNA binding ability and transcriptional activation potential. Both AF4 and LAF4 were shown to be evolutionary conserved in vertebrates suggesting an important functional role of the genes.
Product Categories/Family for anti-AF4 antibody	Cancer Research Antibodies/Retinoblastoma Protein

NCBI AND UNIPROT INFORMATION

NCBI GI #	927669124
NCBI GeneID	4299
NCBI Accession #	NP_001300889.1
NCBI GenBank Nucleotide #	NM_001313960.1
NCBI Official Full Name	AF4/FMR2 family member 1 isoform 4
NCBI Official Synonym Full Names	AF4/FMR2 family member 1
NCBI Official Symbol	AFF1
NCBI Official Synonym Symbols	AF4; PBM1; MLLT2
NCBI Protein Information	AF4/FMR2 family member 1
UniProt Protein Name	AF4/FMR2 family member 1
UniProt Gene Name	AFF1
UniProt Synonym Gene Names	AF4; FEL; MLLT2; PBM1; Protein AF-4
UniProt Entry Name	AFF1_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/monoclonal/af4-antibody-clone-c2-1-1-western-blot-elisa/47760>