AFF1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	AFF1, Polyclonal Antibody
Full Product Name	AFF1 (C-Term) Rabbit pAb
Product Gene Name	anti-AFF1 antibody
Product Synonym Names	AF4/FMR2 family member 1; ALL1-fused gene from chromosome 4 protein; Protein AF-4; Protein FEL; Proto-oncogene AF4; AFF1; AF4; FEL; MLLT2; PBM1
Clonality	Polyclonal
Isotype	Ig
Host	Rabbit
Species Reactivity	Human
Form/Format	In PBS supplemented with 0.09% (W/V) Sodium Azide.
Purity/Purification	Affinity Purified
OMIM	159557
3D Structure	ModBase 3D Structure for P51825
Immunogen	This AFF1 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 927-961 amino acids from the C-terminal region of human AFF1.
Cellular Localization	Nucleus
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-AFF1 antibody	Western Blot (WB)
Application Notes for anti-AFF1 antibody	WB: 1:1000
Related Product Information for anti-AFF1 antibody	MBS8557593 is an antibody targeting AFF1. Also known as AFF1 (C-Term) Rabbit pAb. Reactive in Human. Host: Rabbit.
Other Notes	Small volumes of anti-AFF1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for AFF1. It may not necessarily be applicable to this product.

NCBI GI #	262359911
NCBI GeneID	4299
NCBI Accession #	NP_001160165.1
UniProt Primary Accession #	P51825
UniProt Related Accession #	P51825
GenBank Nucleotide #	NP_001160165.1

NCBI Official Full Name	AF4/FMR2 family member 1 isoform 1
NCBI Official Synonym Full Names	AF4/FMR2 family member 1
NCBI Official Symbol	AFF1
NCBI Official Synonym Symbols	AF4; PBM1; MLLT2
UniProt Protein Name	AF4/FMR2 family member 1
UniProt Synonym Protein Names	ALL1-fused gene from chromosome 4 protein; Protein AF-4; Protein FEL; Proto-oncogene AF4
Protein Family	AF4/FMR2 family
UniProt Gene Name	AFF1
UniProt Synonym Gene Names	AF4; FEL; MLLT2; PBM1; Protein AF-4
UniProt Entry Name	AFF1_HUMAN
NCBI Protein Information	AF4/FMR2 family member 1
NCBI Summary for AFF1	This gene encodes a member of the AF4/ lymphoid nuclear protein related to the Fragile X E syndrome (FRAXE) family of proteins, which have been implicated in human childhood lymphoblastic leukemia, fragile chromosome X intellectual disability, and ataxia. It is the prevalent mixed-lineage leukemia fusion gene associated with spontaneous acute lymphoblastic leukemia. Members of this family have three conserved domains: an N-terminal homology domain, an AF4/ lymphoid nuclear protein domain, and a C-terminal homology domain. The protein functions as a regulator of RNA polymerase II-mediated transcription through elongation and chromatin remodeling functions. Through RNA interference screens, this gene has been shown to promote the expression of CD133, a plasma membrane glycoprotein required for leukemia cell survival. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2017]
UniProt Comments for AFF1	AF-4: A chromosomal aberration involving AFF1 is associated with acute leukemias. Translocation t(4;11)(q21;q23) with MLL/HRX. The result is a rogue activator protein. Belongs to the AF4 family. Protein type: Transcription factor; Oncoprotein Chromosomal Location of Human Ortholog: 4q21 Cellular Component: transcription elongation factor complex Molecular Function: protein binding; transcription factor activity Biological Process: positive regulation of transcription, DNA-dependent
Research Articles on AFF1	**1.** Our study represents the first report assessing the association of AFF1 rs340630 polymorphism with rheumatoid arthritis risk. No significant evidence was found for the dominant or recessive models.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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