



Rabbit Anti-AF 4 antibody

SL5958R

Product Name:	AF 4
Chinese Name:	原癌基因AF4蛋白抗体
Alias:	AF 4; AF 4 protein; AF-4 protein; AF4/FMR2 family member 1; AFF 1; AFF1; AFF1_HUMAN; ALL1 fused gene from chromosome 4; ALL1-fused gene from chromosome 4 protein; FEL; MLLT2; MYELOID/LYMPHOID OR MIXED LINEAGE LEUKEMIA TRANSLOCATED TO 2; MLLT2; Protein AF-4; Protein FEL; Proto-oncogene AF4; AF4; PBM1. .
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Rabbit,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=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:	133kDa
Cellular localization:	The nucleus
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human AF 4 protein:31-130/1210
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:	Proto-oncogene AF-4 (or FEL) is a product of a chromosomal aberration of the human gene AFF1, which is associated with acute leukemias. The fusion of AF-4 on chromosome band 4q21 with the mixed lineage leukemia (MLL or HRX) gene on

11q23 results in a MLL-AF-4 chimeric transcription factor in which AF-4 contributes transcriptional effector properties and requires cell-specific accessory factors. MLL is involved in several chromosomal translocations associated with acute myeloid and lymphoid leukemia. The MLL-AF-4 fusion protein is expressed in all normal hematopoietic cells. The expression of MLL-AF-4 influences the production of protein cyclin-dependent kinase inhibitor (CDKN1B), suggesting that inhibition of MLL-AF-4 expression may be a powerful and highly specific treatment of chemotherapy-resistant leukemia.

Subcellular Location:

Nucleus.

DISEASE:

Note=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.

Similarity:

Belongs to the AF4 family.

SWISS:

O88573

Gene ID:

4299

Database links:

[Entrez Gene: 17355](#)Mouse

[Omim: 159557](#)Mouse

[SwissProt: O88573](#)Mouse

[Unigene: 6949](#)Mouse

Important Note:

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