

## AF-4 rabbit pAb

Cat No.:ES6253

For research use only

## Overview

Product Name AF-4 rabbit pAb

Host species Rabbit

**Applications** IHC;IF;WB;ELISA **Species Cross-Reactivity** Human;Mouse

Recommended dilutions WB 1:500-2000 Immunohistochemistry: 1/100 -

1/300. ELISA: 1/20000. Not yet tested in other

applications.

Immunogen The antiserum was produced against synthesized

peptide derived from human AF4. AA range:1-50

**Specificity** AF-4 Polyclonal Antibody detects endogenous levels

of AF-4 protein.

Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and

0.02% sodium azide.

**Storage** Store at -20°C. Avoid repeated freeze-thaw cycles.

**Protein Name** AF4/FMR2 family member 1

Gene Name AFF1
Cellular localization Nucleus .

**Purification** The antibody was affinity-purified from rabbit

antiserum by affinity-chromatography using

epitope-specific immunogen.

Clonality Polyclonal
Concentration 1 mg/ml
Observed band 130kD
Human Gene ID 4299
Human Swiss-Prot Number P51825

Alternative Names AFF1; AF4; FEL; MLLT2; PBM1; AF4/FMR2 family

member 1; ALL1-fused gene from chromosome 4 protein; Protein AF-4; Protein FEL; Proto-oncogene

AF4

**Background** This gene encodes a member of the AF4/ lymphoid

nuclear protein related to AF4/Fragile X E mental retardation syndrome family of proteins, which have

been implicated in childhood lymphoblastic



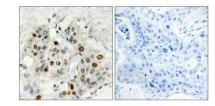
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leukemia, Fragile X E site mental retardation, and ataxia. It is the prevalent mixed-lineage leukemia fusion gene associated with spontaneous acute lymphoblastic leukemia. Members of this family have three conserved domains: an N-terminal homology domain, an AF4/ lymphoid nuclear protein related to AF4/Fragile X E mental retardation syndrome 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 mu

Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissue, using AF4 Antibody. The picture on the right is blocked with the synthesized peptide.



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