

AF-4 rabbit pAb**Cat#: orb769128 (Manual)**

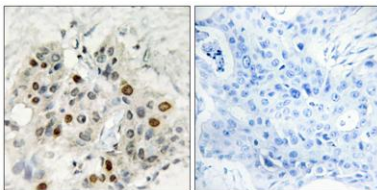
For research use only. Not intended for diagnostic use.

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 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.