

## AF-4 Polyclonal Antibody

<b>Catalog No :</b>	YT0140
<b>Reactivity :</b>	Human;Mouse
<b>Applications :</b>	IHC;IF;WB;ELISA
<b>Target :</b>	AF-4
<b>Fields :</b>	>>Transcriptional misregulation in cancer
<b>Gene Name :</b>	AFF1
<b>Protein Name :</b>	AF4/FMR2 family member 1
<b>Human Gene Id :</b>	4299
<b>Human Swiss Prot No :</b>	P51825
<b>Mouse Swiss Prot No :</b>	O88573
<b>Immunogen :</b>	The antiserum was produced against synthesized peptide derived from human AF4. AA range:1-50
<b>Specificity :</b>	AF-4 Polyclonal Antibody detects endogenous levels of AF-4 protein.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	WB 1:500-2000 IHC 1:100 - 1:300. ELISA: 1:20000.. IF 1:50-200
<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Concentration :</b>	1 mg/ml
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)

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**Observed Band :** 130kD

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**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

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**Function :** disease: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.,

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**Subcellular Location :** Nucleus .

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**Expression :** Epithelium,PCR rescued clones,Placenta,

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**Sort :** 1774

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**No4 :** 1

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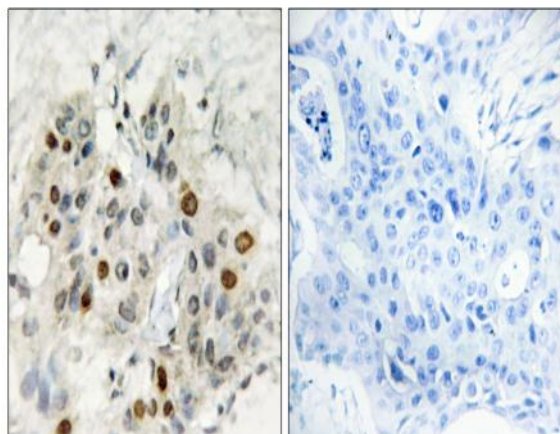
**Host :** Rabbit

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**Modifications :** Unmodified

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## Products Images



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