



AFF4 Polyclonal Antibody

Catalog No	YP-Ab-05295
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB;ELISA
Gene Name	AFF4 AF5Q31 MCEF HSPC092
Immunogen	Synthesized peptide derived from human protein . at AA range: 30-110
Specificity	AFF4 Polyclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	AF4/FMR2 family member 4;AF4/FMR2 family;member 4;AF5Q31;AFF4;MCEF; Protein AF 5q31;AFF4 AF5Q31 MCEF HSPC092;AF4/FMR2 family member 4 (ALL1-fused gene from chromosome 5q31 protein) (Protein AF-5q31) (Major CDK9 elongation factor-associated protein)
Observed Band	140-150 kDa
Calculated Molecular Weight	127 kDa
Cell Pathway	Nucleus . Associates to transcriptionally active chromatin but not at snRNA genes. .
Tissue Specificity	Ubiquitously expressed. Strongly expressed in heart, placenta, skeletal muscle, pancreas and to a lower extent in brain.
Function	developmental stage:Expressed in fetal heart, lung, brain and to a lower extent liver.,disease:A chromosomal aberration involving AFF4 is found in acute lymphoblastic leukemia (ALL). Insertion ins(5;11)(q31;q13q23) that forms a MLL-AFF4 fusion protein.,function:May play a role in transcriptional regulation., PTM:Phosphorylated upon DNA damage, probably by ATM or ATR.,sequence caution:Contaminating sequence. Potential poly-A sequence.,similarity:Belongs to the AF4 family.,subunit:Component of the cyclin-dependent kinase pair (CDK9/cyclin-T1) complex, also called positive transcription elongation factor b



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Background

The protein encoded by this gene belongs to the AF4 family of transcription factors involved in leukemia. It is a component of the positive transcription elongation factor b (P-TEFb) complex. A chromosomal translocation involving this gene and MLL gene on chromosome 11 is found in infant acute lymphoblastic leukemia with ins(5;11)(q31;q31q23). [provided by RefSeq, Oct 2011],

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images