

Anti-AFF4 Picoband Antibody

Catalog # ABO10297

Product Information

Application	WB
Primary Accession	Q9UHB7
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Format	Lyophilized
Description	Rabbit IgG polyclonal antibody for AF4/FMR2 family member 4(AFF4) detection. Tested with WB in Human.

Reconstitution Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Additional Information

Gene ID	27125
Other Names	AF4/FMR2 family member 4, ALL1-fused gene from chromosome 5q31 protein, Protein AF-5q31, Major CDK9 elongation factor-associated protein, AFF4, AF5Q31, MCEF
Calculated MW	127459
Application Details	Western blot, 0.1-0.5 µg/ml, Human
Subcellular Localization	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. .
Source	Eukaryota
Protein Name	AF4/FMR2 family member 4
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Na ₃ N.
Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human AFF4 (6-53aa RNVLRMKERERRNQEIQQGEDAFPPSSPLFAEPYKVTSKEDKLSSRIQ), identical to the related mouse sequence.
Purification	Immunogen affinity purified.
Cross Reactivity	No cross reactivity with other proteins.

Storage At -20 °C for one year. After reconstitution, at 4 °C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.

Protein Information

Name	AFF4
Synonyms	AF5Q31, MCEF
Function	Key component of the super elongation complex (SEC), a complex required to increase the catalytic rate of RNA polymerase II transcription by suppressing transient pausing by the polymerase at multiple sites along the DNA. In the SEC complex, AFF4 acts as a central scaffold that recruits other factors through direct interactions with ELL proteins (ELL, ELL2 or ELL3) and the P-TEFb complex. In case of infection by HIV-1 virus, the SEC complex is recruited by the viral Tat protein to stimulate viral gene expression.
Cellular Location	Nucleus. Chromosome. Note=Associates to transcriptionally active chromatin but not at snRNA genes {ECO:0000250 UniProtKB:Q9ESC8}
Tissue Location	Ubiquitously expressed. Strongly expressed in heart, placenta, skeletal muscle, pancreas and to a lower extent in brain.

Background

The AFF4 gene encodes a scaffold protein that functions as a core component of the super elongation complex (SEC), which is involved in transcriptional regulation during embryogenesis. 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. This gene is mapped to chromosome 5q31.

Images



Western blot analysis of AFF44 expression in COLO320 whole cell lysates (lane 1). AFF44 at 127KD was detected using rabbit anti- AFF44 Antigen Affinity purified polyclonal antibody (Catalog # ABO10297) at 0.5 µg/mL. The blot was developed using chemiluminescence (ECL) method .

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.