

Anti-AFF4 Picoband Antibody
Catalog # ABO10297**Specification**

Anti-AFF4 Picoband Antibody - 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.

Anti-AFF4 Picoband Antibody - 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 MW KDa

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. .

Protein Name

AF4/FMR2 family member 4

Contents

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.

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.

Anti-AFF4 Picoband Antibody - 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}

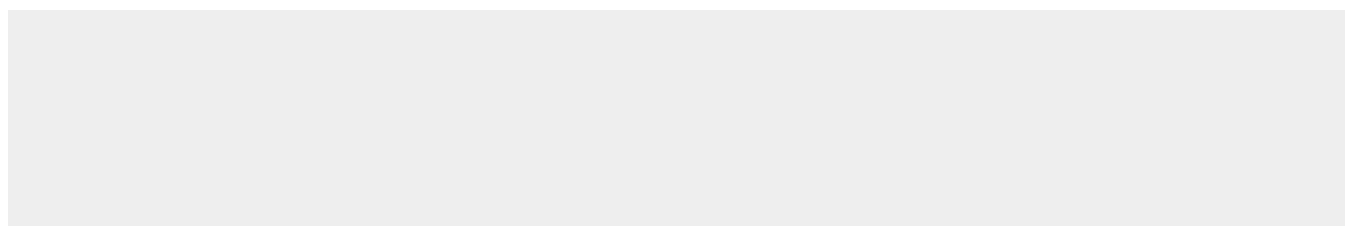
Tissue Location

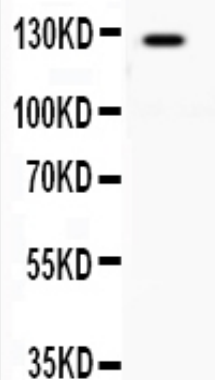
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Anti-AFF4 Picoband Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-AFF4 Picoband Antibody - 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 μ g/mL. The blot was developed using chemiluminescence (ECL) method .

Anti-AFF4 Picoband Antibody - 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.