

For Research Use Only

AFF4 Polyclonal antibody

Catalog Number: 14662-1-AP

Featured Product

17 Publications



Basic Information

Catalog Number:

14662-1-AP

Concentration:

1100 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG6336

GenBank Accession Number:

BC063007

GeneID (NCBI):

27125

UNIPROT ID:

Q9UHB7

Full Name:

AF4/FMR2 family, member 4

Calculated MW:

127 kDa

Observed MW:

140-150 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:5000-1:50000

IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate

Applications

Tested Applications:

WB, IP, ELISA

Cited Applications:

WB, IHC, IP, CoIP

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse

Positive Controls:

WB : HEK-293 cells, HeLa cells, HepG2 cells, mouse brain tissue, rat brain tissue

IP : HeLa cells,

Background Information

Transcriptional controlled by RNA polymerase II (Pol II) is a multi-step process requiring the concerted action of multiple factors and contacts with the DNA template for the proper synthesis of nascent RNA [PMID:12676794]. ELL1 was demonstrated to be a Pol II elongation factor capable of enhancing the catalytic rate of transcription elongation by reducing transient pausing by the enzyme [PMID:8596958]. AFF4 was initially identified as a fusion partner of the MLL (mixed-lineage leukemia) gene participated in infant acute lymphoblastic leukemia, and a component of the ELL/p-TEFb elongation complex. AFF4 interacts with positive transcription elongation factor-b while also repressing Tat transactivation of HIV-1 [PMID:17389929].

Notable Publications

Author	Pubmed ID	Journal	Application
Jun Wu	28878233	Sci Rep	WB
Bin Zheng	33446572	Genes Dev	WB
Dan Tang	32128251	Cell Discov	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

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