

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:

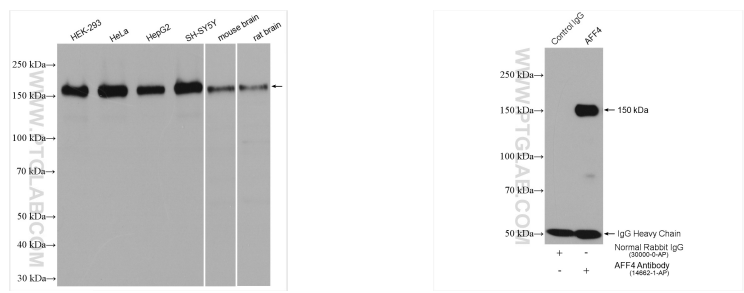
T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 14662-1-AP (AFF4 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.

IP result of anti-AFF4 (IP:14662-1-AP, 4ug; Detection:14662-1-AP 1:20000) with HeLa cells lysate 1880 ug.