

For Research Use Only

# AFF4 Polyclonal antibody

Catalog Number: 14662-1-AP

Featured Product

12 Publications



## Basic Information

**Catalog Number:**

14662-1-AP

**Size:**

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:**

IP, WB, ELISA

**Cited Applications:**

IHC, IP, WB

**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:

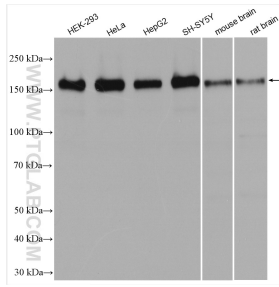
T: 4006900926

E: Proteintech-CN@ptglab.com

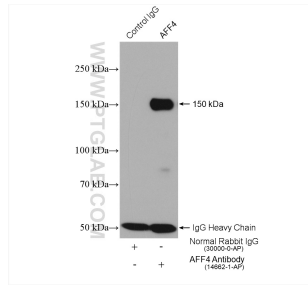
W: ptgcn.com

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## 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.