

AFF4

Polyclonal ANTIBODY

Catalog Number: 14662-1-AP

Featured Product

3 Publications

Basic Information

Catalog Number:
14662-1-AP

Size:
22 µg/150 µl

Source:
Rabbit

Isotype:
IgG

Purification Method:
Antigen affinity purification

Immunogen Catalog Number:
AG6336

GenBank Accession Number:
BC063007

GeneID (NCBI):
27125

Full Name:
AF4/FMR2 family, member 4

Calculated MW:
127 kDa

Observed MW:
140 kDa

Recommended Dilutions:

WB : 1:500-1:1000

IP 0.5-4.0 µg for IP and 1:200-1:1000 for WB

IF 1:50-1:500

Applications

Tested Applications:

IF, IP, WB, ELISA

Cited Applications:

WB

Species Specificity:

human,mouse,rat

Cited Species:

human

Note: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : L02 cells; HeLa cells, HepG2 cells

IP : HepG2 cells;

IF : L02 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 [PMD: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 [PMD: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 [PMD:17389929].

Notable Publications

Author	Pubmed ID	Journal	Application
Jun Wu	28878233	Sci Rep	WB
Xiaodong Lu	27353326	Nucleic Acids Res	WB
Kaiwei Liang	30340042	Cell	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

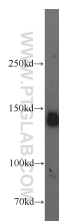
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

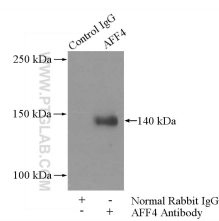
E: proteintech@ptglab.com
 W: ptglab.com

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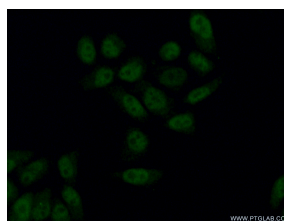
Selected Validation Data



L02 cells were subjected to SDS PAGE followed by western blot with 14662-1-AP(AFF4 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours



IP Result of anti-AFF4 (IP:14662-1-AP, 4ug; Detection:14662-1-AP 1:300) with HepG2 cells lysate 3200ug.



Immunofluorescent analysis of (4% PFA) fixed L02 cells using 14662-1-AP(AFF4 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)