

For Research Use Only

TRIM9 Polyclonal antibody

Catalog Number: 10786-1-AP

Featured Product

4 Publications



Basic Information

Catalog Number:

10786-1-AP

Size:

150ul, Concentration: 600 µg/ml by Nanodrop and 333 µg/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG1238

GenBank Accession Number:

BC013414

GeneID (NCBI):

114088

Full Name:

tripartite motif-containing 9

Calculated MW:

80 kDa

Observed MW:

79 kDa, 90 kDa, 61 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IP 0.5-4.0 ug for IP and 1:500-1:2000

for WB

IHC 1:50-1:500

Applications

Tested Applications:

IHC, IP, WB, ELISA

Cited Applications:

IHC, WB

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, rat

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

Positive Controls:

WB: mouse brain tissue, HepG2 cells, rat brain tissue

IP: mouse brain tissue,

IHC: rat brain tissue, human prostate cancer tissue, rat cerebellum tissue

Background Information

TRIM9 (E3 ubiquitin-protein ligase TRIM9) is also named as RNF91 and belongs to the TRIM/RBCC family. TRIM9 protein is a brain-specific E3 ubiquitin ligase. Importantly, TRIM9 is present in LBs found in DLB and PD, suggesting that TRIM9 not only plays roles in the regulation of neuronal functions, but also participates in the formation or breakdown of abnormal inclusions through its ligase activity and besides the striatum and hippocampus, the highest expression of TRIM9 protein is seen in the frontal, temporal and occipital cortices through the western blot (PMID:20085810). It has been reported that TRIM9 is highly expressed in the cerebral cortex in mouse and human brains and that TRIM9 is decreased in damaged brains in patients who have Parkinson disease and dementia with Lewy bodies (PMID:22337885). It has 3 isoforms with molecular mass of 79, 90 and 61 kDa.

Notable Publications

Author	Pubmed ID	Journal	Application
Chieko Mishima	26543769	Springerplus	IHC
Tanji Kunikazu K	20085810	Neurobiol Dis	WB
Yunfei Qin	26915459	Cell Res	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

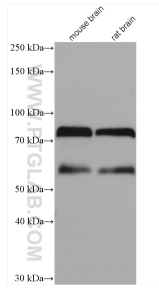
For technical support and original validation data for this product please contact:

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

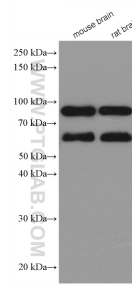
E: proteintech@ptglab.com
W: ptglab.com

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

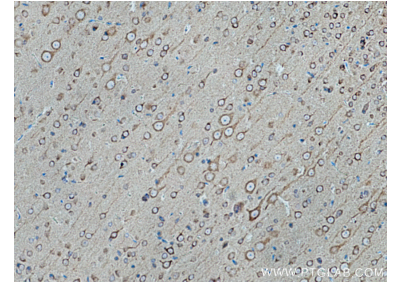
Selected Validation Data



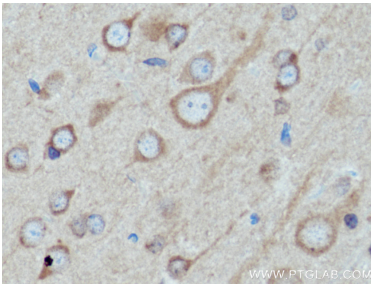
Various lysates were subjected to SDS PAGE followed by western blot with 10786-1-AP (TRIM9 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



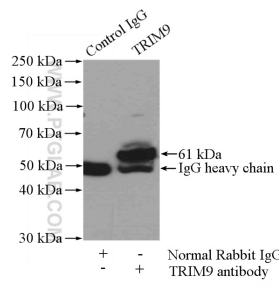
Various lysates were subjected to SDS PAGE followed by western blot with 10786-1-AP (TRIM9 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded rat brain tissue slide using 10786-1-AP (TRIM9 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded rat brain tissue slide using 10786-1-AP (TRIM9 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP Result of anti-TRIM9 (IP:10786-1-AP, 4ug; Detection:10786-1-AP 1:1000) with mouse brain tissue lysate 4000ug.