

For Research Use Only

# TRIM9 Polyclonal antibody

Catalog Number: 10786-1-AP

Featured Product

4 Publications



## Basic Information

<b>Catalog Number:</b> 10786-1-AP	<b>GenBank Accession Number:</b> BC013414	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul, Concentration: 600 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 114088	<b>Recommended Dilutions:</b> WB 1:500-1:2000 IP 0.5-4.0 ug for IP and 1:500-1:2000 for WB
<b>Source:</b> Rabbit	<b>Full Name:</b> tripartite motif-containing 9	<b>Calculated MW:</b> 80 kDa
<b>Isotype:</b> IgG	<b>Observed MW:</b> 79 kDa, 90 kDa, 61 kDa	<b>IHC 1:50-1:500</b>
<b>Immunogen Catalog Number:</b> AG1238		

## Applications

### Tested Applications:

IHC, IP, WB, ELISA

### Cited Applications:

IHC, IP, WB

### Species Specificity:

human, mouse, rat

### Cited Species:

human, mouse, rat

### 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

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

## 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
Wenjun Zhao	34676875	Mol Med Rep	WB, IP
Chieko Mishima	26543769	Springerplus	IHC
Tanji Kunikazu K	20085810	Neurobiol Dis	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

\*\*\* 20ul sizes contain 0.1% BSA

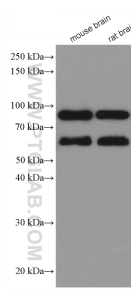
For technical support and original validation data for this product please contact:

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

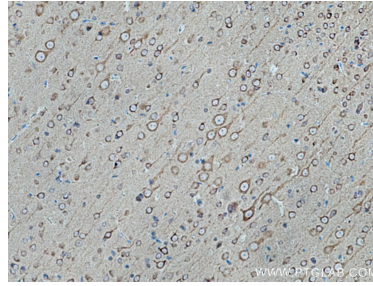
E: proteintech@ptglab.com  
W: ptglab.com

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

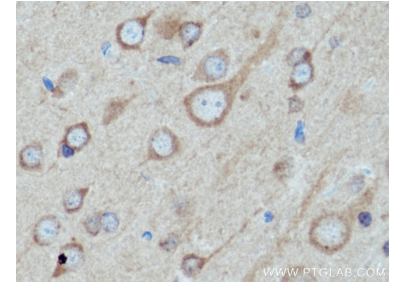
## Selected Validation Data



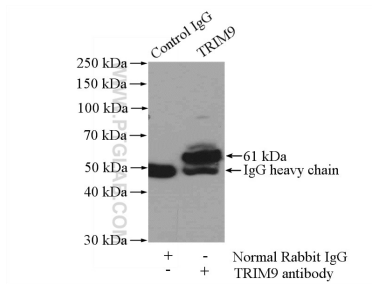
Various lysates were subjected to SDS PAGE followed by western blot with 10786-1-AP (TRIM9 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



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.