

For Research Use Only

TRIM9 Monoclonal antibody

Catalog Number: 67268-1-Ig



Basic Information

Catalog Number: 67268-1-Ig	GenBank Accession Number: BC013414	Purification Method: Protein G purification
Size: 150ul, Concentration: 1500 µg/ml by Nanodrop and 1000 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 114088	CloneNo.: 1D2B10
Source: Mouse	Full Name: tripartite motif-containing 9	Recommended Dilutions: WB 1:1000-1:4000 IHC 1:250-1:1000
Isotype: IgG1	Calculated MW: 80 kDa	
Immunogen Catalog Number: AG27856	Observed MW: 90 kDa, 79 kDa, 61 kDa	

Applications

Tested Applications:

IHC, WB, ELISA

Species Specificity:

Human, Mouse, Rat, Pig

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: pig brain tissue, rat brain tissue, mouse brain tissue

IHC: rat brain 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.

Storage

Storage:

Store at -20°C.

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

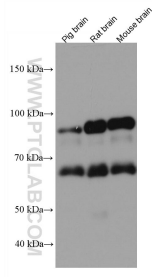
For technical support and original validation data for this product please contact:

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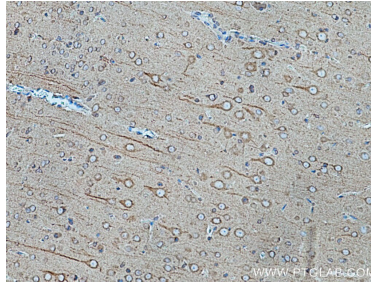
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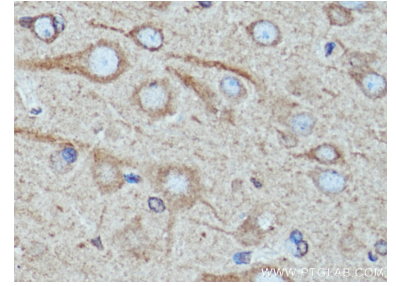
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 67268-1-Ig (TRIM9 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded rat brain tissue slide using 67268-1-Ig (TRIM9 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded rat brain tissue slide using 67268-1-Ig (TRIM9 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).