

For Research Use Only

PPP1R9B Polyclonal antibody

Catalog Number: 55129-1-AP **1 Publications**



Basic Information

Catalog Number:

55129-1-AP

Size:

150ul , Concentration: 700 µg/ml by Nanodrop and 293 µg/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_032595

GeneID (NCBI):

84687

Full Name:

protein phosphatase 1, regulatory (inhibitor) subunit 9B

Calculated MW:

89 kDa

Observed MW:

120-130 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:8000

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

IHC 1:20-1:200

Applications

Tested Applications:

IHC, IP, WB, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse

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, mouse spleen tissue

IP : mouse brain tissue,

IHC : human brain tissue,

Background Information

PPP1R9B, also named as PPP1R6, Neurabin-II and Spinophilin, seems to act as a scaffold protein in multiple signaling pathways. It modulates excitatory synaptic transmission and dendritic spine morphology. PPP1R9B binds to actin filaments (F-actin) and shows cross-linking activity. It may play an important role in linking the actin cytoskeleton to the plasma membrane at the synaptic junction. PPP1R9B plays a role in regulation of G-protein coupled receptor signaling, including D2Rs and alpha-adrenergic receptors. PPP1R9B probably regulates p70 S6 kinase activity by forming a complex with TIAM. The antibody is specific to PPP1R9B. Observed MW of PPP1R9B is 120 kDa (PMID: 28941770).

Notable Publications

Author	Pubmed ID	Journal	Application
Chong Wang	24820113	Toxicology	WB

Storage

Storage:

Store at -20°C.

Storage Buffer:

0.1M NaHCO₃, 0.1M glycine, 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

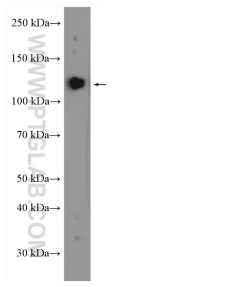
For technical support and original validation data for this product please contact:

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

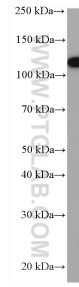
E: proteintech@ptglab.com
W: ptglab.com

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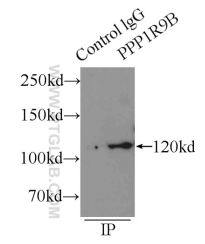
Selected Validation Data



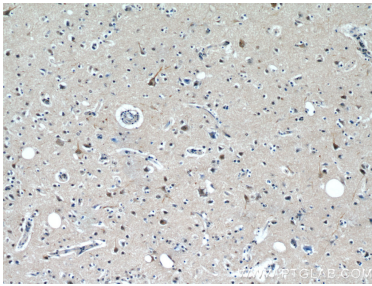
mouse brain tissue were subjected to SDS PAGE followed by western blot with 55129-1-AP (PPP1R9B antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



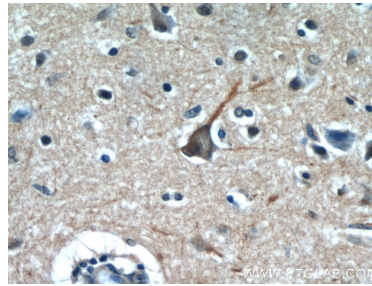
mouse brain tissue were subjected to SDS PAGE followed by western blot with 55129-1-AP (PPP1R9B antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



IP Result of anti-PPP1R9B (IP:55129-1-AP, 4ug; Detection:55129-1-AP 1:300) with mouse brain tissue lysate 6000ug.



Immunohistochemical analysis of paraffin-embedded human brain using 55129-1-AP (PPP1R9B antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human brain using 55129-1-AP (PPP1R9B antibody) at dilution of 1:50 (under 40x lens).