

For Research Use Only

# PPP2R2A/B/C Monoclonal antibody, PBS Only



Catalog Number: 67783-1-PBS

## Basic Information

Catalog Number:

67783-1-PBS

Size:

1 mg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG30774

GenBank Accession Number:

BC031790

GeneID (NCBI):

5521

UNIPROT ID:

Q00005

Full Name:

protein phosphatase 2 (formerly 2A),  
regulatory subunit B, beta isoform

Calculated MW:

443 aa, 52 kDa

Observed MW:

52 kDa

Purification Method:

Protein G purification

CloneNo.:

2E1D5

## Applications

Tested Applications:

WB, Indirect ELISA, IHC

Species Specificity:

Human, Mouse, Rat, Pig, Rabbit

## Background Information

The PPP2R2B gene encodes a deduced 443 amino acid protein of approximately 52 kDa, which is a brain-specific regulatory subunit B of protein phosphatase 2. PPP2R2B is a Subunit of PP2A, a highly conserved constitutive enzyme (PMID:11719278). PPP2R2B (B $\beta$ ) is an important regulator of protein phosphatase 2A (PP2A) activity in the brain. Through differential promoter usage and alternative splicing, two major isoforms B $\beta$  1 and B $\beta$  2 with divergent sub-cellular targeting N termini are produced. B $\beta$  plays an important role in neuronal survival. It has 5 isoforms produced by alternative splicing. This antibody can recognize PPP2R2A and PPP2R2C due to the immunogen of PPP2R2B having high homology with PPP2R2A and PPP2R2C.

## Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS Only

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

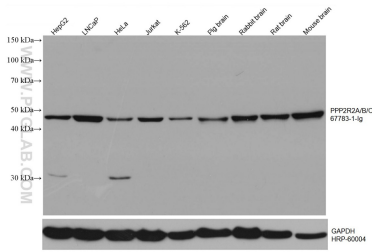
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

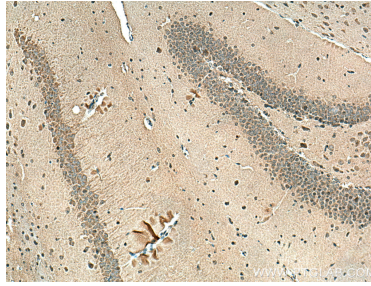
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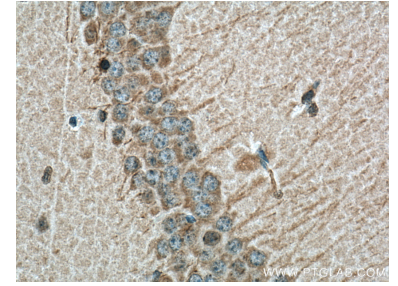
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 67783-1-Ig (PPP2R2A/B/C antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control. This data was developed using the same antibody clone with 67783-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 67783-1-Ig (PPP2R2A/B/C antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 67783-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 67783-1-Ig (PPP2R2A/B/C antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 67783-1-PBS in a different storage buffer formulation.