

For Research Use Only

PPP2R2A Polyclonal antibody

Catalog Number: 16569-1-AP **2 Publications**



Basic Information

| | | |
|---|---|---|
| Catalog Number: 16569-1-AP | GenBank Accession Number: BC041071 | Purification Method: Antigen affinity purification |
| Size: 150ul, Concentration: 150 µg/ml by Nanodrop and 133 µg/ml by Bradford method using BSA as the standard; | GeneID (NCBI): 5520 | Recommended Dilutions: WB 1:500-1:1000 IHC 1:200-1:800 IF 1:200-1:800 |
| Source: Rabbit | UNIPROT ID: P63151 | |
| Isotype: IgG | Full Name: protein phosphatase 2 (formerly 2A), regulatory subunit B, alpha isoform | |
| Immunogen Catalog Number: AG9851 | Calculated MW: 477 aa, 52 kDa | |
| | Observed MW: 50 kDa | |

Applications

Tested Applications:

IF, IHC, WB, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse, rat

Cited Species:

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: K-562 cells, MCF-7 cells, C6 cells, mouse brain tissue, rat brain tissue

IHC: mouse brain tissue,

IF: A431 cells,

Background Information

The serine/threonine protein phosphatase 2A (PP2A) is a master regulator of the complex cellular signaling that occurs during all stages of mammalian development. PPP2R2A, also known as B55A or PR55A, is a regulatory subunit of PP2A expressed in an Akt-dependent manner in epidermis during barrier formation. PPP2R2A participates in the negative control of cell growth and division. PPP2R2A has been proved to be a tumor suppressor that can inhibit the proliferation of a variety of cancer cells, such as prostate cancer cells (PMID: 21872824).

Notable Publications

| Author | Pubmed ID | Journal | Application |
|-------------|-----------|----------------------|-------------|
| Wen-Ting Hu | 36305233 | EMBO Rep | WB |
| Wei Deng | 25833338 | Cell Physiol Biochem | 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

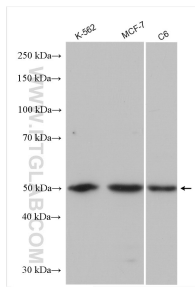
For technical support and original validation data for this product please contact:

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

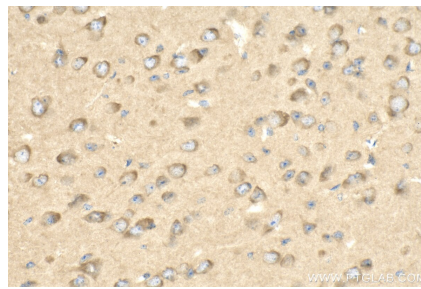
E: proteintech@ptglab.com
W: ptglab.com

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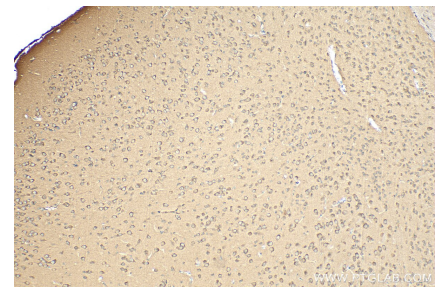
Selected Validation Data



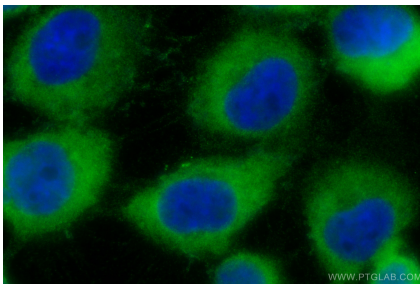
Various lysates were subjected to SDS PAGE followed by western blot with 16569-1-AP (PPP2R2A antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 16569-1-AP (PPP2R2A antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 16569-1-AP (PPP2R2A antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Methanol) fixed A431 cells using PPP2R2A antibody (16569-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).