

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: 500 µg/ml	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/ICC, IHC, WB, ELISA	Positive Controls: WB : K-562 cells, MCF-7 cells, C6 cells, mouse brain tissue, rat brain tissue
Cited Applications: WB	IHC : mouse brain tissue,
Species Specificity: human, mouse, rat	IF : A431 cells,
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

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

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

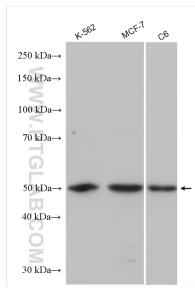
T: 4006900926

E: Proteintech-CN@ptglab.com

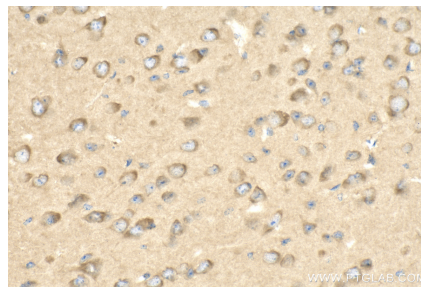
W: ptgcn.com

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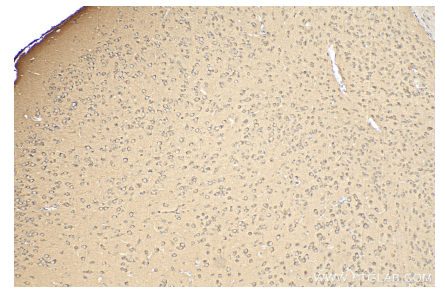
Selected Validation Data



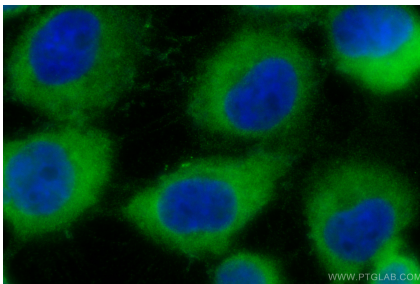
Various lysates were subjected to SDS PAGE followed by western blot with 16569-1-AP (PPP2R2A antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



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).