

RPH3A Polyclonal antibody

Catalog Number: 11396-1-AP **4 Publications**

Basic Information

Catalog Number: 11396-1-AP	GenBank Accession Number: BC017259	Purification Method: Antigen affinity purification
Size: 300 µg/ml	GeneID (NCBI): 22895	Recommended Dilutions: WB 1:500-1:1000 IHC 1:50-1:500 IF 1:10-1:100
Source: Rabbit	UNIPROT ID: Q9Y2J0	
Isotype: IgG	Full Name: rabphilin 3A homolog (mouse)	
Immunogen Catalog Number: AG1956	Calculated MW: 690 aa, 76 kDa	
	Observed MW: 76 kDa	

Applications

Tested Applications: IF/ICC, IHC, WB, ELISA	Positive Controls: WB : COLO 320 cells, human brain tissue IHC : mouse brain tissue, IF : COLO 320 cells,
Cited Applications: WB, IF	
Species Specificity: human, mouse, rat	
Cited Species: human, mouse, rat	
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

RAB3A is a small G protein that is thought to act in exocytosis of neurotransmitters and hormones in synaptic neurotransmission and cell-cell communication. RPH3A (RPH3A), a RAB3A effector, is a neuronal C2 domain tandem containing protein that is involved in the neuronal transmitter process. Huntington's disease (HD) is a hereditary neurodegenerative disorder characterized by progressive motor disturbances, cognitive defects and dementia. Level of rabphilin 3A is substantially decreased in synapses of most brain regions in R6/1 transgenic mouse model of HD suggesting a role of RPH3A in impaired synaptic transmission.

Notable Publications

Author	Pubmed ID	Journal	Application
Tianzhi Li	36173100	Elife	WB
Tatsuaki Kurosaki	36356584	Mol Cell	WB
Elena Ferrari	35918045	Pharmacol Res	WB, IF

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

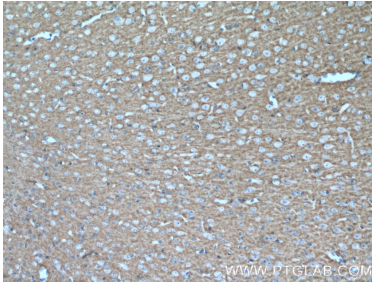
For technical support and original validation data for this product please contact:

T: 4006900926

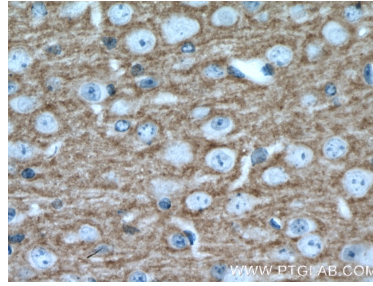
E: Proteintech-CN@ptglab.comW: ptgcn.com

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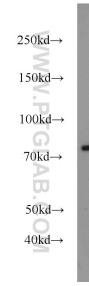
Selected Validation Data



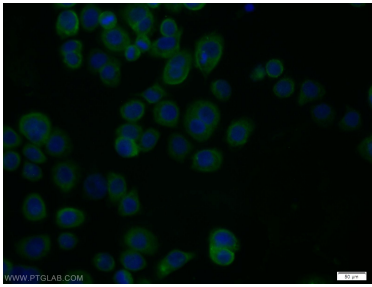
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 11396-1-AP (RPH3A antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 11396-1-AP (RPH3A antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



COLO 320 cells were subjected to SDS PAGE followed by western blot with 11396-1-AP (RPH3A antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of COLO 320 cells using 11396-1-AP (RPH3A antibody) at dilution of 1:25 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).