

For Research Use Only

RPH3A Polyclonal antibody

Catalog Number: 11396-1-AP

6 Publications



Basic Information

Catalog Number:

11396-1-AP

Size:

300 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG1956

GenBank Accession Number:

BC017259

GeneID (NCBI):

22895

UNIPROT ID:

Q9Y2J0

Full Name:

rabphilin 3A homolog (mouse)

Calculated MW:

690 aa, 76 kDa

Observed MW:

76 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

IHC 1:50-1:500

IF/ICC 1:200-1:800

Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

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

Positive Controls:

WB : COLO 320 cells, human brain tissue

IHC : mouse brain tissue,

IF/ICC : SH-SY5Y cells,

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:

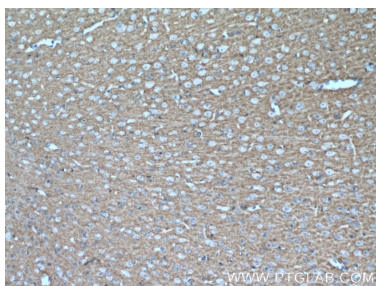
T: 4006900926

E: Proteintech-CN@ptglab.com

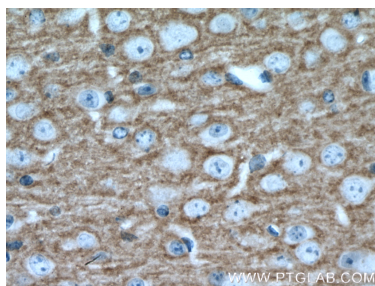
W: ptgcn.com

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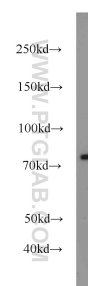
Selected Validation Data



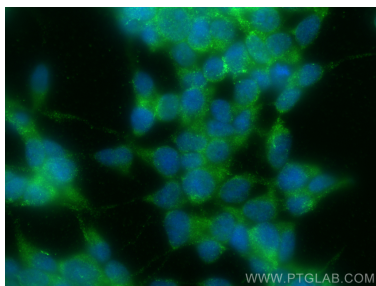
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 11396-1-AP (RPH3A antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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 (-20°C Ethanol) fixed SH-SY5Y cells using RPH3A antibody (11396-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).