

For Research Use Only

RIC8B Polyclonal antibody

Catalog Number: 17790-1-AP **3 Publications**



Basic Information

Catalog Number: 17790-1-AP	GenBank Accession Number: BC034220	Purification Method: Antigen affinity purification
Size: 650 µg/ml	GeneID (NCBI): 55188	Recommended Dilutions: WB 1:500-1:2000 IHC 1:20-1:200 IF 1:50-1:500
Source: Rabbit	UNIPROT ID: Q9NVN3	
Isotype: IgG	Full Name: resistance to inhibitors of cholinesterase 8 homolog B (C. elegans)	
Immunogen Catalog Number: AG11888	Calculated MW: 495 aa, 56 kDa	
	Observed MW: 61-66 kDa	

Applications

Tested Applications: IF/ICC, IHC, WB, ELISA	Positive Controls: WB : human brain tissue, IHC : human brain tissue, IF : MCF-7 cells,
Cited Applications: WB, IF, IHC	
Species Specificity: human, mouse, rat	
Cited Species: 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

Ric8, also known as synembryn, is a guanine nucleotide exchange factor (GEF) that enhances variegated G protein signaling pathways, including $G_{\alpha}(q)$ and $G_{\alpha}(s)$ regulation of neurotransmission, $G_{\alpha}(i)$ -dependent mitotic spindle positioning during (asymmetric) cell division, and $G_{\alpha}(olf)$ -dependent odorant receptor signaling (PMID: 21467038). In mammals, two Ric8 homologues have been reported (Ric8A and Ric8B). Ric8B is able to potentiate $G(s)/G(olf)$ signaling (PMID: 15829631; 16754875; 20133939).

Notable Publications

Author	Pubmed ID	Journal	Application
Fenech Claire C	19847316	Front Cell Neurosci	WB, IHC
Merly Saare	26062014	PLoS One	IF
Stefan Kurtenbach	28814779	Sci Rep	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

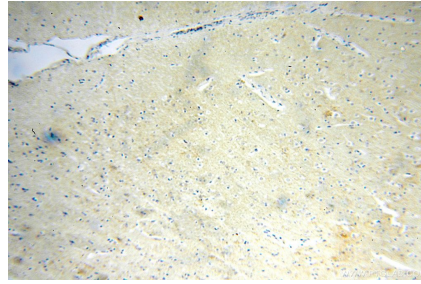
For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

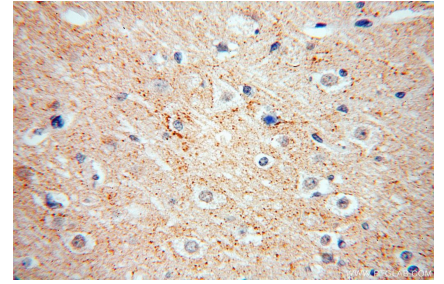
Selected Validation Data



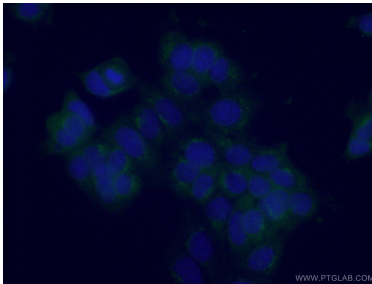
human brain tissue were subjected to SDS PAGE followed by western blot with 17790-1-AP (RIC8B antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human brain using 17790-1-AP (RIC8B antibody) at dilution of 1:100 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human brain using 17790-1-AP (RIC8B antibody) at dilution of 1:100 (under 40x lens).



Immunofluorescent analysis of (-20°C Ethanol) fixed MCF-7 cells using 17790-1-AP (RIC8B antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).