

For Research Use Only

# RIC8B Polyclonal antibody

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



## Basic Information

<b>Catalog Number:</b> 17790-1-AP	<b>GenBank Accession Number:</b> BC034220	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 650 µg/ml by Nanodrop and 380 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 55188	<b>Recommended Dilutions:</b> WB 1:500-1:2000 IHC 1:20-1:200 IF 1:50-1:500
<b>Source:</b> Rabbit	<b>Full Name:</b> resistance to inhibitors of cholinesterase 8 homolog B (C. elegans)	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 495 aa, 56 kDa	
<b>Immunogen Catalog Number:</b> AG11888	<b>Observed MW:</b> 61-66 kDa	

## Applications

<b>Tested Applications:</b> IF, IHC, WB, ELISA	<b>Positive Controls:</b> WB : human brain tissue, IHC : human brain tissue, IF : MCF-7 cells,
<b>Cited Applications:</b> IF, IHC, WB	
<b>Species Specificity:</b> human, mouse, rat	
<b>Cited Species:</b> 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 Gα(q) and Gα(s) regulation of neurotransmission, Gα(i)-dependent mitotic spindle positioning during (asymmetric) cell division, and Gα(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

**\*\*\* 20ul sizes contain 0.1% BSA**

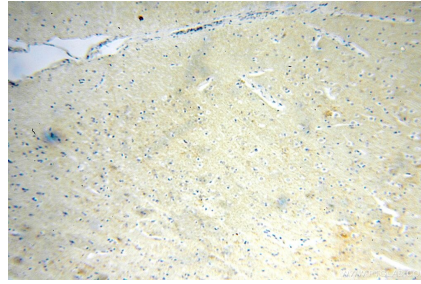
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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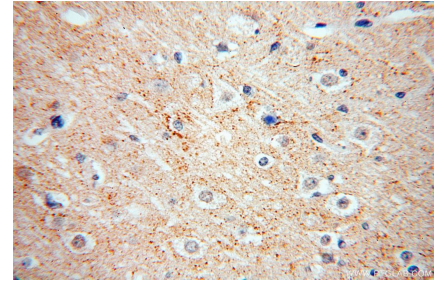
## Selected Validation Data



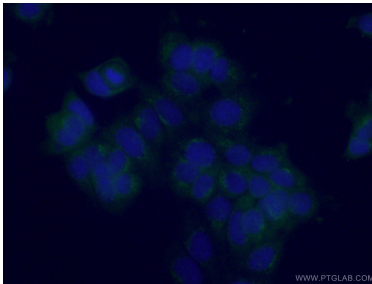
human brain tissue were subjected to SDS PAGE followed by western blot with 17790-1-AP (RIC8B antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



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).