

For Research Use Only

RIC8B Polyclonal antibody

Catalog Number: 17790-1-AP

3 Publications



Basic Information

Catalog Number:

17790-1-AP

Size:

150ul, Concentration: 650 ug/ml by Nanodrop and 380 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG11888

GenBank Accession Number:

BC034220

GeneID (NCBI):

55188

UNIPROT ID:

Q9NVN3

Full Name:

resistance to inhibitors of cholinesterase 8 homolog B (C. elegans)

Calculated MW:

495 aa, 56 kDa

Observed MW:

70 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB: 1:2000-1:12000

IHC: 1:20-1:200

IF/ICC: 1:50-1:500

Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Cited Applications:

WB, IHC, IF

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

Positive Controls:

WB: fetal human brain tissue, mouse brain tissue, rat brain tissue

IHC: human brain tissue,

IF/ICC: MCF-7 cells,

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, pH7.3

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

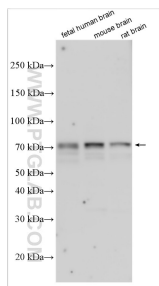
For technical support and original validation data for this product please contact:

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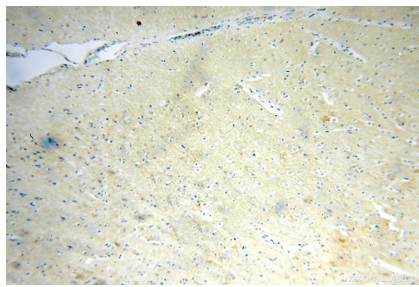
E: proteintech@ptglab.com
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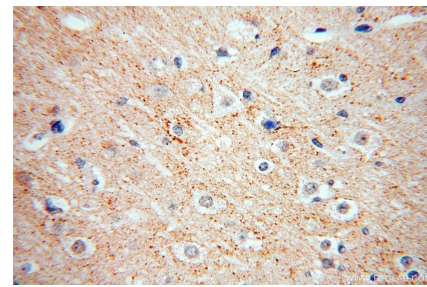
Selected Validation Data



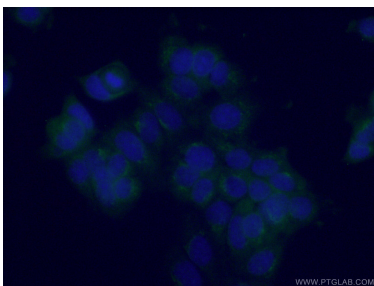
Various lysates were subjected to SDS PAGE followed by western blot with 17790-1-AP (RIC8B antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours.



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).