

For Research Use Only

RAB3C Polyclonal antibody

Catalog Number: 10788-1-AP

5 Publications



Basic Information

Catalog Number:

10788-1-AP

Size:

150ul, Concentration: 550 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG1241

GenBank Accession Number:

BC013033

GeneID (NCBI):

115827

UNIPROT ID:

Q96E17

Full Name:

RAB3C, member RAS oncogene family

Calculated MW:

26 kDa

Observed MW:

28 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:2000-1:10000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:50-1:500

Applications

Tested Applications:

WB, IP, IHC, ELISA

Cited Applications:

WB, IF, IHC

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse

Positive Controls:

WB : mouse brain tissue, human brain tissue, mouse lung tissue, rat brain tissues

IP : mouse brain tissue,

IHC : mouse brain tissue,

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

Rab proteins are small molecular weight GTPases that control vesicular traffic in eukaryotic cells. A subset of Rab proteins, the Rab3 proteins (Rab3A, Rab3B, Rab3C, and Rab3D) are thought to play an important role in regulated exocytosis of vesicles. Although Rab3 proteins are highly homologous, displaying 77-85% amino acid identity with greatest variance evident within the N- and C-terminal regions, their subcellular targets and functional roles remain somewhat distinct between them. RT-PCR analysis indicated that human Rab3C was expressed in the human brain, placenta, and lung.

Notable Publications

Author	Pubmed ID	Journal	Application
Maha El Shahawy	28715412	PLoS Genet	IF
He Ma	36583008	Front Endocrinol (Lausanne)	WB
Wanxue Xu	33311475	Signal Transduct Target Ther	IHC

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

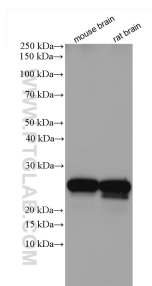
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

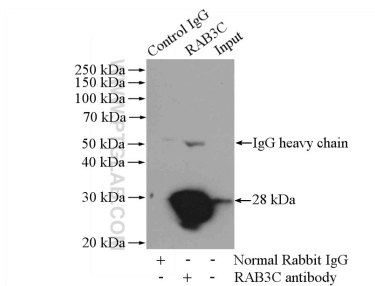
E: proteintech@ptglab.com
W: ptglab.com

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

Selected Validation Data



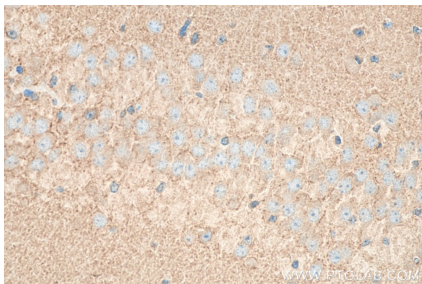
Various lysates were subjected to SDS PAGE followed by western blot with 10788-1-AP (RAB3C antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



IP result of anti-RAB3C (IP:10788-1-AP, 4ug; Detection:10788-1-AP 1:300) with mouse brain tissue lysate 4000ug.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 10788-1-AP (RAB3C 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 10788-1-AP (RAB3C antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).