

For Research Use Only

RABGGTA Polyclonal antibody

Catalog Number: 14448-1-AP

Featured Product

3 Publications



Basic Information

Catalog Number:

14448-1-AP

Size:

150ul, Concentration: 450 ug/ml by Nanodrop and 453 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG5923

GenBank Accession Number:

BC003093

GeneID (NCBI):

5875

UNIPROT ID:

Q92696

Full Name:

Rab geranylgeranyltransferase, alpha subunit

Calculated MW:

65 kDa

Observed MW:

60-65 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB: 1:1000-1:4000

IHC: 1:20-1:200

IF/ICC: 1:50-1:500

Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Cited Applications:

WB, IF

Species Specificity:

human, mouse

Cited Species:

human, 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 : HEK-293 cells, Jurkat cells

IHC : human lung tissue, human brain tissue

IF/ICC : HepG2 cells,

Background Information

GGTase II (RAB geranylgeranyl transferase, RABGGTase) is a heterodimer composed of tightly bound α - and β -subunits, which belongs to the Ras superfamily of small monomeric GTPases. RABGGTase is extensively involved in intracellular membrane trafficking of membrane-bound organelles and vesicles and specifically catalyses the covalent attachment of GGPP to the cysteine of a carboxyl-terminal CC or CXC motif of RAB proteins (PMID 11136552, 10737774, 35961942).

Notable Publications

Author	Pubmed ID	Journal	Application
Liang Wei Wang	31518366	PLoS Pathog	WB
Lin Bai	33846297	Cell Death Dis	WB
Haiyang Ma	38042502	Brain Res Bull	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, pH7.3

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

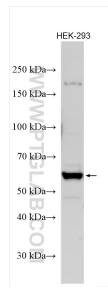
For technical support and original validation data for this product please contact:

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

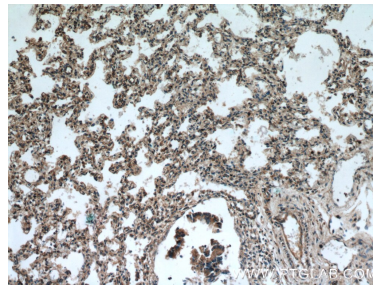
E: proteintech@ptglab.com
W: ptglab.com

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

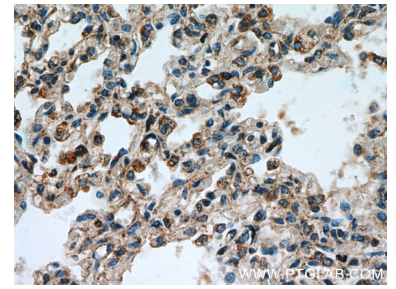
Selected Validation Data



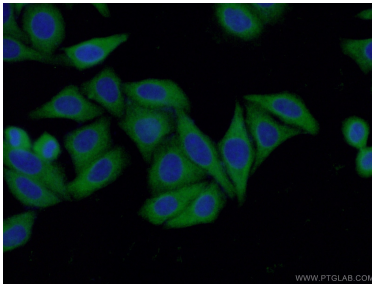
HEK-293 cells were subjected to SDS PAGE followed by western blot with 14448-1-AP (RABGGTA antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human lung using 14448-1-AP (RABGGTA antibody) at dilution of 1:100 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human lung using 14448-1-AP (RABGGTA antibody) at dilution of 1:100 (under 40x lens).



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using 14448-1-AP (RABGGTA antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).