

For Research Use Only

RABGGTA Polyclonal antibody

Catalog Number: 14448-1-AP

Featured Product

3 Publications



Basic Information

Catalog Number: 14448-1-AP	GenBank Accession Number: BC003093	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 450 µg/ml by Nanodrop and 453 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 5875	Recommended Dilutions: WB 1:1000-1:4000 IHC 1:20-1:200 IF 1:50-1:500
Source: Rabbit	Full Name: Rab geranylgeranyltransferase, alpha subunit	
Isotype: IgG	Calculated MW: 65 kDa	
Immunogen Catalog Number: AG5923	Observed MW: 60 kDa	

Applications

Tested Applications: IF, IHC, WB, ELISA	Positive Controls: WB : HEK-293 cells, Jurkat cells IHC : human lung tissue, human brain tissue IF : HepG2 cells,
Cited Applications: IF, WB	
Species Specificity: human, mouse, rat	
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	

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

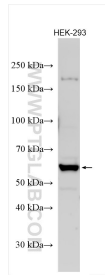
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

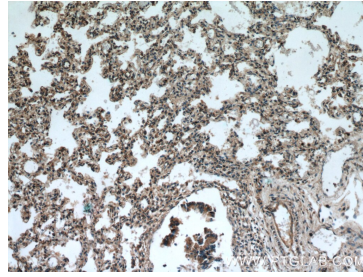
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

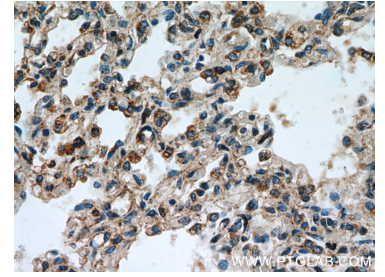
Selected Validation Data



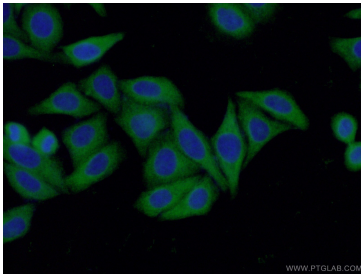
HEK-293 cells were subjected to SDS PAGE followed by western blot with 14448-1-AP (RABGGTA antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



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).