

For Research Use Only

RAB3GAP1 Polyclonal antibody

Catalog Number: 21663-1-AP

Featured Product

10 Publications



Basic Information

Catalog Number: 21663-1-AP	GenBank Accession Number: BC146809	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 400 µg/ml by Nanodrop and 280 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 22930	Recommended Dilutions: WB 1:1000-1:8000 IHC 1:20-1:200 IF 1:10-1:100
Source: Rabbit	Full Name: RAB3 GTPase activating protein subunit 1 (catalytic)	
Isotype: IgG	Calculated MW: 981 aa, 111 kDa	
Immunogen Catalog Number: AG16426	Observed MW: 130 kDa	

Applications

Tested Applications: IF, IHC, WB, ELISA	Positive Controls: WB : HEK-293 cells, HL-60 cells, mouse brain tissue, rat brain tissue IHC : human testis tissue, IF : HepG2 cells,
Cited Applications: CoIP, IF, IP, WB	
Species Specificity: human, mouse, rat	
Cited Species: human, rat, mouse, monkey	
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

RAB3GAP1 (RAB3 GTPase-activating protein 1) is the catalytic subunit of the heterodimeric enzyme RAB3GAP (RAB3GTPase-activating protein), a key regulator of the RAB3 cycle, which controls calcium-mediated exocytosis of neurotransmitters and hormones. Mutations in RAB3GAP1 cause Warburg Micro syndrome (OMIM 600118) and Martsolf syndrome (OMIM 212720), phenotypically overlapping autosomal recessive conditions characterized by ocular and neurodevelopmental manifestations.

Notable Publications

Author	Pubmed ID	Journal	Application
Yorann Baron	24885147	BMC Biol	WB
Andreas Gerondopoulos	24891604	J Cell Biol	WB
Mark T Handley	26063829	Open Biol	WB

Storage

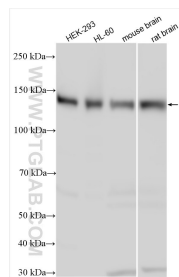
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

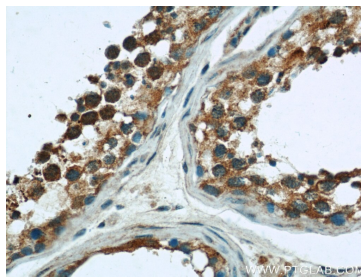
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

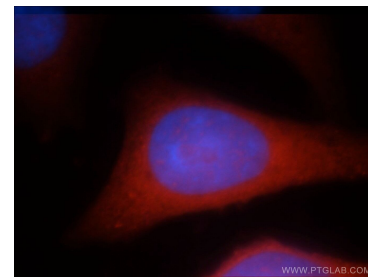
Selected Validation Data



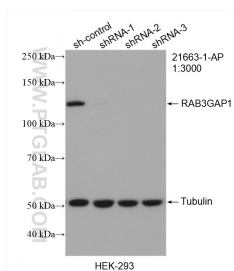
Various lysates were subjected to SDS PAGE followed by western blot with 21663-1-AP (RAB3GAP1 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human testis using 21663-1-AP (RAB3GAP1 antibody) at dilution of 1:100 (under 40x lens).



Immunofluorescent analysis of HepG2 cells, using RAB3GAP1 antibody 21663-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red). Blue pseudocolor = DAPI (fluorescent DNA dye).



WB result of RAB3GAP1 antibody (21663-1-AP; 1:3000; incubated at room temperature for 1.5 hours) with sh-Control and sh-RAB3GAP1 transfected HEK-293 cells.