

For Research Use Only

RAP1GDS1 Polyclonal antibody

Catalog Number: 10377-1-AP **4 Publications**



Basic Information

Catalog Number: 10377-1-AP	GenBank Accession Number: BC001851	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 450 ug/ml by Nanodrop and 333 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 5910	Recommended Dilutions: WB 1:500-1:3000 IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate IHC 1:50-1:500
Source: Rabbit	UNIPROT ID: P52306	
Isotype: IgG	Full Name: RAP1, GTP-GDP dissociation stimulator 1	
Immunogen Catalog Number: AG0230	Calculated MW: 66 kDa	
	Observed MW: 66 kDa	

Applications

Tested Applications: WB, IHC, IP, ELISA	Positive Controls: WB : 4T1 cells, HeLa cells, mouse brain tissue, rat brain tissue IP : mouse brain tissue, IHC : human gliomas tissue,
Cited Applications: WB, IF, IP	
Species Specificity: human, mouse, rat	
Cited Species: human, mouse, chicken	

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

GDS stimulates the GDP/GTP exchange reaction of a group of small GTP-binding proteins (G proteins), including at least c-Ki-ras p21, smg p21A, smg p21B, rhoA p21 and rhoB p21, by stimulating the dissociation of GDP from and the subsequent binding of GTP to each small G protein. The small GTPase Rap1, which is activated by a large variety of stimuli, functions in the control of integrin-mediated cell adhesion. RAP1GDS1 (synonym: GDS1) is one of RAP1 GTP-GDP dissociation stimulators.

Notable Publications

Author	Pubmed ID	Journal	Application
Jin-Xiao Liang	32968447	Oncol Lett	WB
Beibei Zhang	35138149	Microbiol Spectr	WB,IF
Sahar Nissim	31406347	Nat Genet	IP

Storage

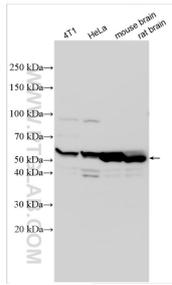
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

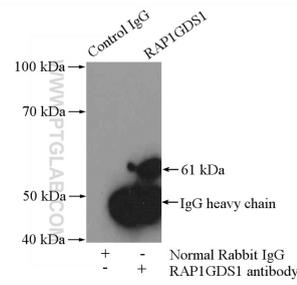
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

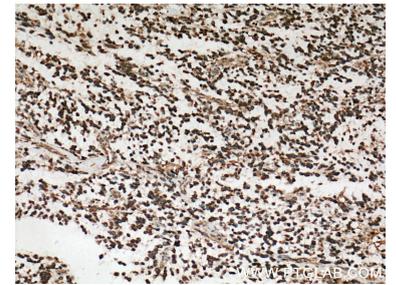
Selected Validation Data



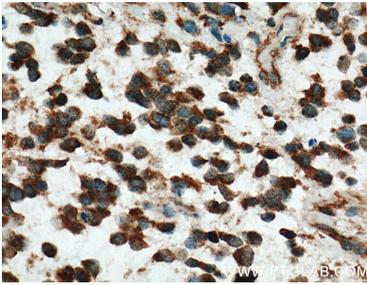
Various lysates were subjected to SDS PAGE followed by western blot with 10377-1-AP (RAP1GDS1 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



IP result of anti-RAP1GDS1 (IP:10377-1-AP, 3ug; Detection:10377-1-AP 1:500) with mouse brain tissue lysate 4000ug.



Immunohistochemical analysis of paraffin-embedded human gliomas tissue slide using 10377-1-AP (RAP1GDS1 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 human gliomas tissue slide using 10377-1-AP (RAP1GDS1 Antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).