

For Research Use Only

RAP1GDS1 Polyclonal antibody

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



Basic Information

Catalog Number:

10377-1-AP

Size:

450 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG0230

GenBank Accession Number:

BC001851

GeneID (NCBI):

5910

UNIPROT ID:

P52306

Full Name:

RAP1, GTP-GDP dissociation stimulator 1

Calculated MW:

66 kDa

Observed MW:

66 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

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

IHC 1:50-1:500

Applications

Tested Applications:

IHC, IP, WB, ELISA

Cited Applications:

WB, IP, IF

Species Specificity:

human, mouse

Cited Species:

chicken, 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: mouse brain tissue,

IP: mouse brain tissue,

IHC: human gliomas tissue,

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

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

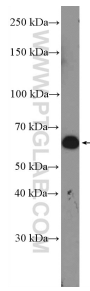
T: 4006900926

E: Proteintech-CN@ptglab.com

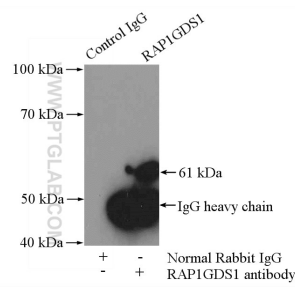
W: ptgcn.com

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

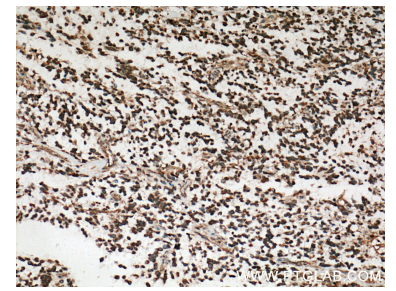
Selected Validation Data



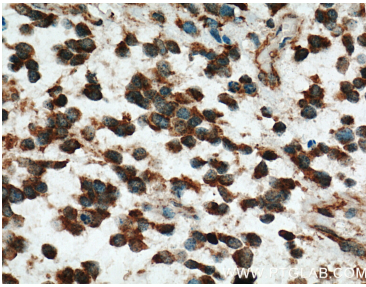
mouse brain tissue were subjected to SDS PAGE followed by western blot with 10377-1-AP (RAP1GDS1 Antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



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).