

For Research Use Only

RAP1GDS1 Polyclonal antibody

Catalog Number: 10377-1-AP

4 Publications



Basic Information

Catalog Number:

10377-1-AP

Size:

150ul, Concentration: 450 ug/ml by Nanodrop and 333 ug/ml by Bradford method using BSA as the standard;

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 1:500-1:3000

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

IHC 1:50-1:500

Applications

Tested Applications:

WB, IHC, IP, ELISA

Cited Applications:

WB, IF, IP

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, chicken

Positive Controls:

WB: 4T1 cells, HeLa cells, mouse brain tissue, rat brain tissue

IP: mouse brain tissue,

IHC: human gliomas tissue,

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

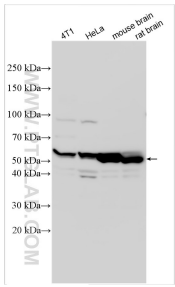
For technical support and original validation data for this product please contact:

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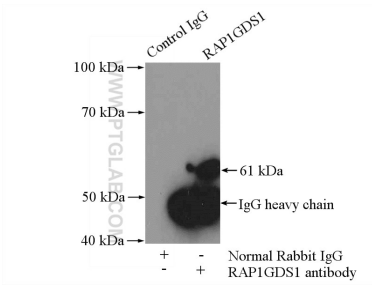
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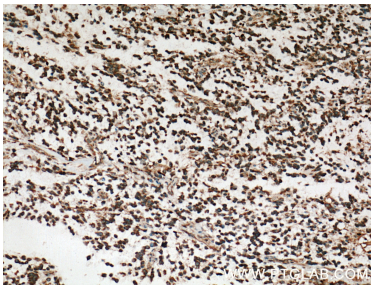
Selected Validation Data



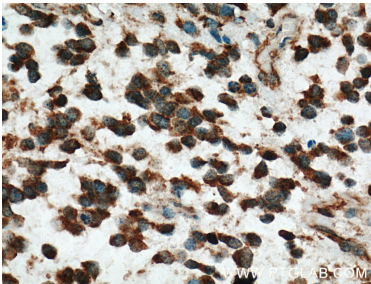
Various lysates were subjected to SDS PAGE followed by western blot with 10377-1-AP (RAP1GDS1 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



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).