

For Research Use Only

# RAP1GDS1 Polyclonal antibody

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



## Basic Information

<b>Catalog Number:</b> 10377-1-AP	<b>GenBank Accession Number:</b> BC001851	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 450 µg/ml by Nanodrop and 333 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 5910	<b>Recommended Dilutions:</b> WB 1:500-1:1000 IP 0.5-4.0 ug for IP and 1:500-1:1000 for WB IHC 1:50-1:500
<b>Source:</b> Rabbit	<b>Full Name:</b> RAP1, GTP-GDP dissociation stimulator 1	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 66 kDa	
<b>Immunogen Catalog Number:</b> AG0230	<b>Observed MW:</b> 66 kDa	

## Applications

<b>Tested Applications:</b> IHC, IP, WB, ELISA	<b>Positive Controls:</b>
<b>Cited Applications:</b> IF, IP, WB	<b>WB :</b> mouse brain tissue,
<b>Species Specificity:</b> human, mouse	<b>IP :</b> mouse brain tissue,
<b>Cited Species:</b> chicken, human, mouse	<b>IHC :</b> 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

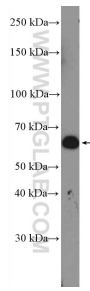
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

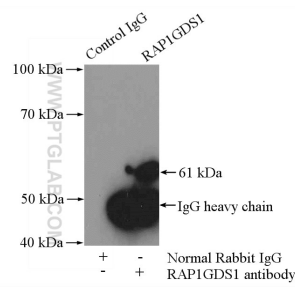
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

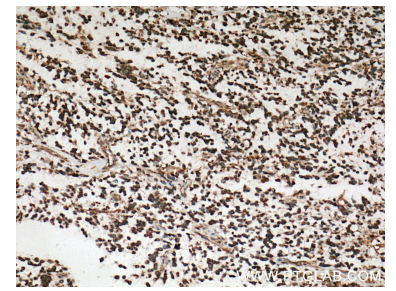
## Selected Validation Data



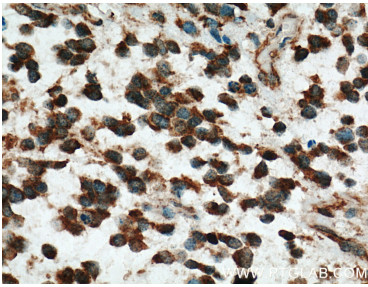
mouse brain tissue were subjected to SDS PAGE followed by western blot with 10377-1-AP (RAP1GDS1 Antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



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).