

For Research Use Only

RACGAP1 Monoclonal antibody

Catalog Number: 66056-1-Ig **Featured Product**



Basic Information

Catalog Number: 66056-1-Ig	GenBank Accession Number: BC032754	Purification Method: Protein G purification
Size: 1000 µg/ml	GeneID (NCBI): 29127	CloneNo.: 6E10A2
Source: Mouse	UNIPROT ID: Q9H0H5	Recommended Dilutions: WB 1:1000-1:4000 IHC 1:50-1:500 IF 1:20-1:200
Isotype: IgG1	Full Name: Rac GTPase activating protein 1	
Immunogen Catalog Number: AG6944	Calculated MW: 632 aa, 71 kDa	
	Observed MW: 71 kDa	

Applications

Tested Applications:
IF/ICC, IHC, WB, ELISA

Species Specificity:
human, mouse, rat

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 : HEK-293 cells, HEK293 cells

IHC : human colon cancer tissue,

IF : HeLa cells,

Background Information

Rac GTPase-activating protein 1 (RACGAP1), localized in the mitotic spindle, has guanosine triphosphatase-activating protein (GAP) activity for the Rho family GTPases. RACGAP1 has an important influence on the initiation of cytokinesis, control of cell growth and differentiation, regulation of spermatogenesis, and tumor metastasis.

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:

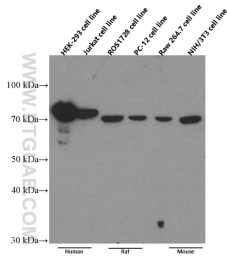
T: 4006900926

E: Proteintech-CN@ptglab.com

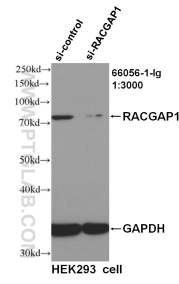
W: ptgcn.com

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

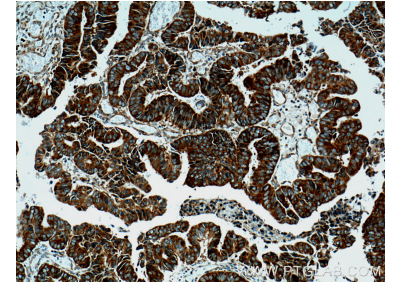
Selected Validation Data



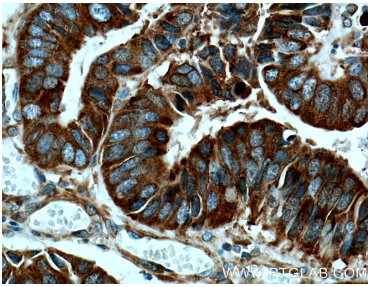
HEK-293, Jurkat, ROS1728, PC-12, Raw264.7, NIH/3T3 cells were subjected to SDS PAGE followed by western blot with 66056-1-Ig (RACGAP1 Antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



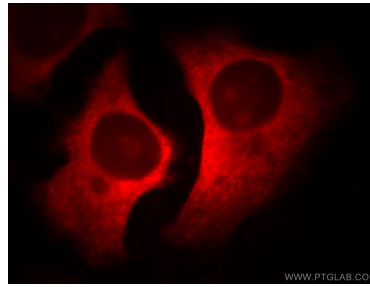
WB result of RACGAP1 antibody (66056-1-Ig, 1:3000) with si-control and si-RACGAP1 transfected HEK293 cells.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 66056-1-Ig (RACGAP1 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 colon cancer tissue slide using 66056-1-Ig (RACGAP1 Antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of HeLa cells, using RACGAP1 antibody 66056-1-Ig at 1:50 dilution and Rhodamine-labeled goat anti-mouse IgG (red).