

For Research Use Only

RACGAP1 Recombinant antibody

Catalog Number: 82788-1-RR



Basic Information

Catalog Number: 82788-1-RR	GenBank Accession Number: BC032754	Purification Method: Protein A purification
Size: 100ul , Concentration: 500 ug/ml by Nanodrop;	GeneID (NCBI): 29127	CloneNo.: 2D5
Source: Rabbit	UNIPROT ID: Q9H0H5	Recommended Dilutions: WB 1:2000-1:10000 IHC 1:500-1:2000 IF/ICC 1:500-1:2000
Isotype: IgG	Full Name: Rac GTPase activating protein 1	
Immunogen Catalog Number: AG4676	Calculated MW: 632 aa, 71 kDa	
	Observed MW: 71 kDa	

Applications

Tested Applications: WB, IHC, IF/ICC, FC (Intra), ELISA	Positive Controls: WB : HeLa cells, HEK-293 cells, U2OS cells, K-562 cells, Jurkat cells IHC : human skin cancer tissue, IF/ICC : U2OS cells,
Species Specificity: human	
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

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

*** 20ul sizes contain 0.1% BSA

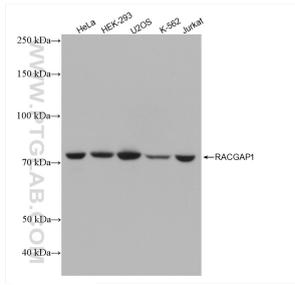
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

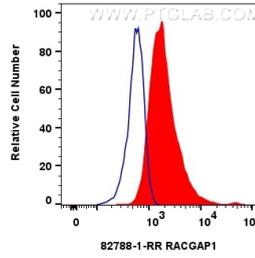
E: proteintech@ptglab.com
W: ptglab.com

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

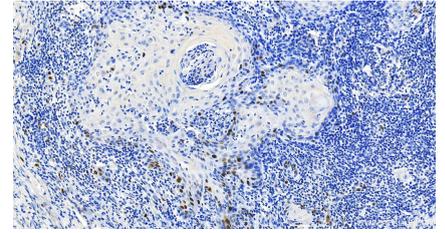
Selected Validation Data



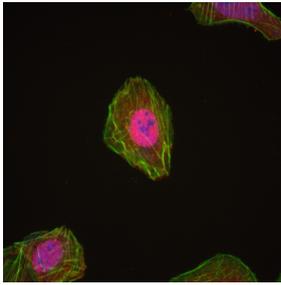
Various lysates were subjected to SDS PAGE followed by western blot with 82788-1-RR (RACGAP1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



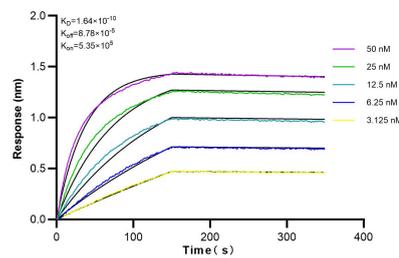
1×10^6 HeLa cells were intracellularly stained with 0.25 μ g RACGAP1 Recombinant antibody (82788-1-RR, Clone:2D5) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2) (red), or 0.25 μ g Isotype Control (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).



Immunohistochemical analysis of paraffin-embedded skin cancer slide using 82788-1-RR (RACGAP1 antibody) at dilution of 1:1000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed U2OS cells using RACGAP1 antibody (82788-1-RR, Clone: 2D5) at dilution of 1:1000 and CoraLite®594-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Biolayer interferometry (BLI) kinetic assays of 82788-1-RR against Human RACGAP1 were performed. The affinity constant is 0.164 nM.