

For Research Use Only

RACGAP1 Recombinant antibody, PBS Only

Catalog Number: 82788-1-PBS



Basic Information

Catalog Number: 82788-1-PBS	GenBank Accession Number: BC032754	Purification Method: Protein A purification
Size: 100ug, Concentration: 1mg/ml by Nanodrop;	GeneID (NCBI): 29127	CloneNo.: 2D5
Source: Rabbit	UNIPROT ID: Q9H0H5	
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), Indirect ELISA

Species Specificity:
human

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 -80°C.

Storage Buffer:
PBS Only

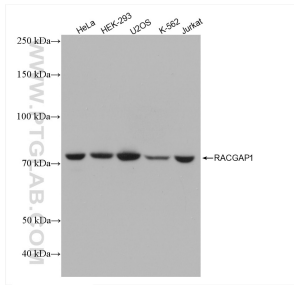
For technical support and original validation data for this product please contact:

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

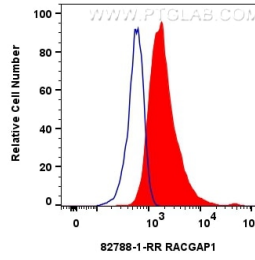
E: proteintech@ptglab.com
W: ptglab.com

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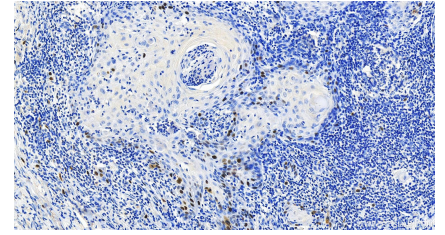
Selected Validation Data



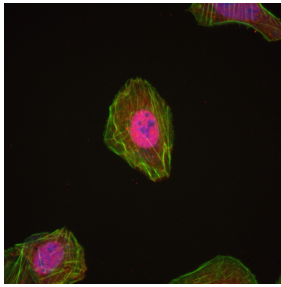
Various lysates were subjected to SDS PAGE followed by western blot with 82788-1-RR (RACGAP1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 82788-1-PBS in a different storage buffer formulation.



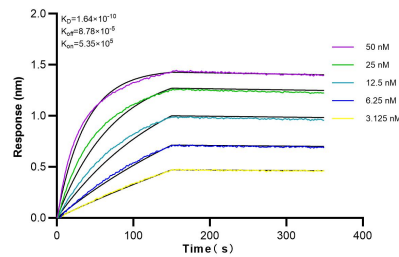
1×10^6 HeLa cells were intracellularly stained with 0.25 ug RACGAP1 Recombinant antibody (82788-1-RR, Clone:2D5) and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2) (red), or 0.25 ug Isotype Control (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011). This data was developed using the same antibody clone with 82788-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 82788-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 82788-1-PBS in a different storage buffer formulation.



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