

For Research Use Only

# RACGAP1 Recombinant antibody, PBS Only

Catalog Number:82788-1-PBS



## Basic Information

<b>Catalog Number:</b> 82788-1-PBS	<b>GenBank Accession Number:</b> BC032754	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 1mg/ml	<b>GeneID (NCBI):</b> 29127	<b>CloneNo.:</b> 2D5
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q9H0H5	
<b>Isotype:</b> IgG	<b>Full Name:</b> Rac GTPase activating protein 1	
<b>Immunogen Catalog Number:</b> AG4676	<b>Calculated MW:</b> 632 aa, 71 kDa	
	<b>Observed MW:</b> 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.  
**The product is shipped with ice packs. Upon receipt, store it immediately at -80°C**

**Storage Buffer:**  
PBS Only

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

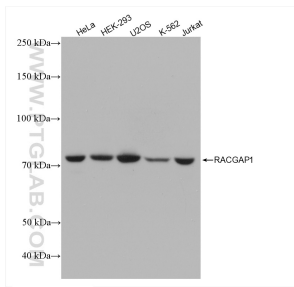
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

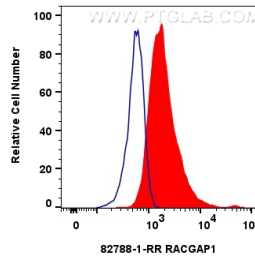
W: [ptgcn.com](http://ptgcn.com)

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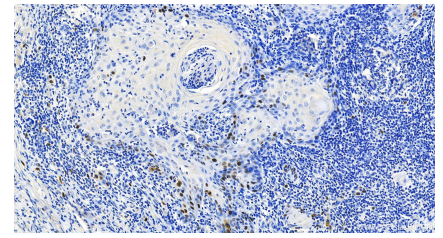
## Selected Validation Data



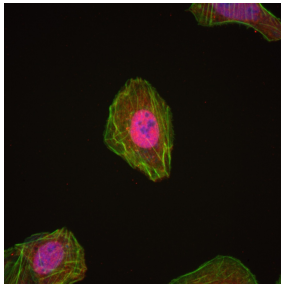
Various lysates were subjected to SDS PAGE followed by western blot with 82788-1-RR (RACGAP1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 82788-1-PBS in a different storage buffer formulation.



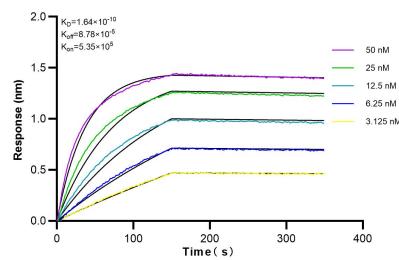
$1 \times 10^6$  HeLa cells were intracellularly stained with 0.25  $\mu$ g RACGAP1 Recombinant antibody (82788-1-RR, Clone:2D5) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2) (red), or 0.25  $\mu$ g Isotype Control (blue). Cells were fixed and permeabilized with Transcription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