

For Research Use Only

# RACGAP1 Polyclonal antibody

Catalog Number: 13739-1-AP **8 Publications**



## Basic Information

<b>Catalog Number:</b> 13739-1-AP	<b>GenBank Accession Number:</b> BC032754	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 900 µg/ml by Nanodrop and 400 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 29127	<b>Recommended Dilutions:</b> WB 1:500-1:1000 IP 0.5-4.0 ug for IP and 1:500-1:1000 for WB
<b>Source:</b> Rabbit	<b>Full Name:</b> Rac GTPase activating protein 1	<b>IF 1:20-1:200</b>
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 632 aa, 71 kDa	
<b>Immunogen Catalog Number:</b> AG4676	<b>Observed MW:</b> 71 kDa	

## Applications

<b>Tested Applications:</b> IF, IP, WB, ELISA	<b>Positive Controls:</b>
<b>Cited Applications:</b> IF, IHC, WB	<b>WB :</b> K-562 cells, HeLa cells, RAW 264.7 cells, mouse testis tissue
<b>Species Specificity:</b> human, mouse	<b>IP :</b> mouse testis tissue, HeLa cells
<b>Cited Species:</b> human, mouse	<b>IF :</b> 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.

## Notable Publications

Author	Pubmed ID	Journal	Application
Carissa M Heath	31067151	Mol Biol Cell	IF
Meng-Yao Wang	31160556	Cell Death Dis	WB
Fujing Wang	35222021	Front Pharmacol	WB,IHC

## Storage

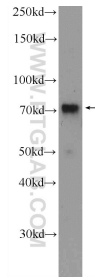
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

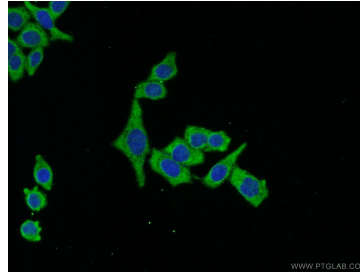
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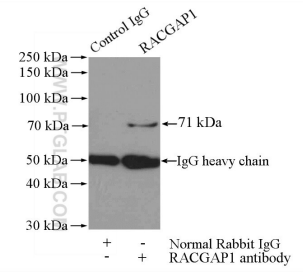
## Selected Validation Data



K-562 cells were subjected to SDS PAGE followed by western blot with 13739-1-AP (RACGAP1 Antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using 13739-1-AP (RACGAP1 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



IP Result of anti-RACGAP1 (IP:13739-1-AP, 4 $\mu$ g; Detection:13739-1-AP 1:500) with mouse testis tissue lysate 4000 $\mu$ g.