

For Research Use Only

# RASGRP3 Polyclonal antibody

Catalog Number: 13162-1-AP

Featured Product

6 Publications



## Basic Information

### Catalog Number:

13162-1-AP

### Size:

150ul, Concentration: 400 ug/ml by Nanodrop;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG3810

### GenBank Accession Number:

BC027849

### GeneID (NCBI):

25780

### UNIPROT ID:

Q8IV61

### Full Name:

RAS guanyl releasing protein 3 (calcium and DAG-regulated)

### Calculated MW:

690 aa, 78 kDa

### Observed MW:

70 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:1000-1:6000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

## Applications

### Tested Applications:

WB, IP, ELISA

### Cited Applications:

WB, FC, IHC

### Species Specificity:

human, mouse

### Cited Species:

human

### Positive Controls:

WB: RAW 264.7 cells, PC-3 cells, Raji cells, Ramos cells

IP: RAW 264.7 cells,

## Background Information

AS guanyl releasing protein 3 (RasGRP3) is a member of the RasGRP family and is able to promote guanine nucleotide exchange of Ha-Ras, R-Ras and Rap1 (PMID: 9582122). RasGRP3 is involved in a diverse range of important biological processes. RasGRP3 has emerged as an important mediator of signaling downstream from receptor coupled phosphoinositide turnover in B and T cells. Overexpression of RasGRP3 is commonly associated with many malignancies, such as pre-Bcell leukemia, Burkitt's lymphoma and natural killer-like T-cell leukemia. Recently, it has been reported that upregulation of RASGRP3 expression in prostate cancer correlates with aggressive capabilities and predicts biochemical recurrence after radical prostatectomy (PMID: 24418912).

## Notable Publications

Author	Pubmed ID	Journal	Application
Jianlu Song	30323976	Am J Cancer Res	WB,IHC
X Zeng	24418912	Prostate Cancer Prostatic Dis	WB,IHC
Wangwang Qiu	28864115	Gene	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

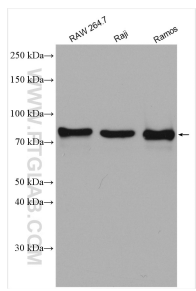
For technical support and original validation data for this product please contact:

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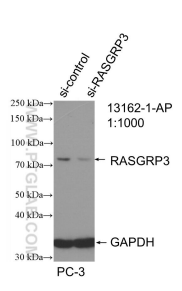
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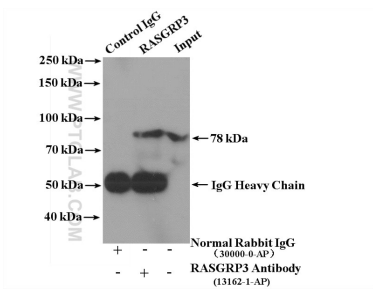
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 13162-1-AP (RASGRP3 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



WB result of RASGRP3 antibody (13162-1-AP; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-RASGRP3 transfected PC-3 cells.



IP result of anti-RASGRP3 (IP:13162-1-AP, 4ug; Detection:13162-1-AP 1:500) with RAW 264.7 cells lysate 3200 ug.