

For Research Use Only

# ARHGAP25 Polyclonal antibody

Catalog Number: 14349-1-AP

Featured Product

1 Publications



## Basic Information

### Catalog Number:

14349-1-AP

### Size:

150ul, Concentration: 400 ug/ml by Nanodrop and 160 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG5691

### GenBank Accession Number:

BC039591

### GeneID (NCBI):

9938

### UNIPROT ID:

P42331

### Full Name:

Rho GTPase activating protein 25

### Calculated MW:

73 kDa

### Observed MW:

70-80 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:500-1:2000

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

IHC 1:20-1:200

IF/ICC 1:50-1:500

## Applications

### Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

### Cited Applications:

WB, IHC

### Species Specificity:

human, mouse, rat

### Cited Species:

human

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

### Positive Controls:

WB : Jurkat cells, Ramos cells, THP-1 cells

IP : Jurkat cells,

IHC : human tonsillitis tissue,

IF/ICC : A549 cells,

## Background Information

ARHGAP25 (Rho GTPase-activating protein 25) also known as KAIA0053, belongs to a family of Rho GTPase-modulating proteins which are implicated in actin remodeling, cell polarity, and cell migration. ARHGAP25 has a key role in the pathomechanism of autoantibody-induced arthritis in which it regulates inflammation.

## Notable Publications

Author	Pubmed ID	Journal	Application
Sijia Han	37326327	Carcinogenesis	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, pH7.3

Aliquoting is unnecessary for -20°C storage

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

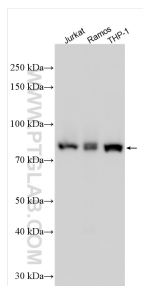
For technical support and original validation data for this product please contact:

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

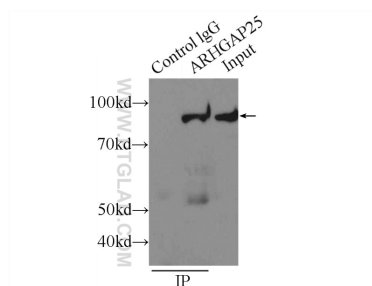
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

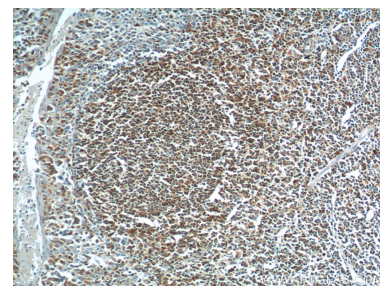
## Selected Validation Data



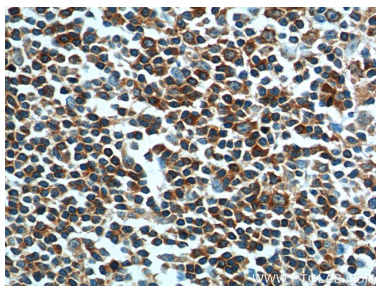
Various lysates were subjected to SDS PAGE followed by western blot with 14349-1-AP (ARHGAP25 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



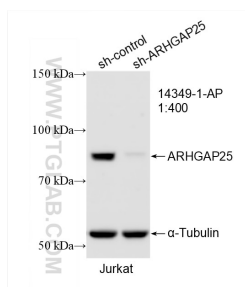
IP result of anti-ARHGAP25 (IP:14349-1-AP, 4ug; Detection:14349-1-AP 1:500) with Jurkat cells lysate 1000ug.



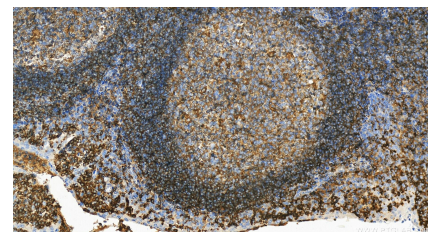
Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 14349-1-AP (ARHGAP25 Antibody) at dilution of 1:200 (under 10x lens).



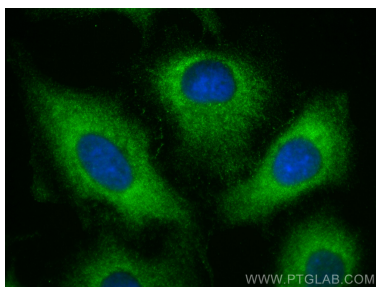
Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 14349-1-AP (ARHGAP25 Antibody) at dilution of 1:200 (under 40x lens).



WB result of ARHGAP25 antibody (14349-1-AP; 1:400; incubated at room temperature for 1.5 hours) with sh-Control and sh-ARHGAP25 transfected Jurkat cells.



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 14349-1-AP (ARHGAP25 antibody) at dilution of 1:400 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Methanol) fixed A549 cells using ARHGAP25 antibody (14349-1-AP) at dilution of 1:200 and CoraLite@488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).