

For Research Use Only

# RRAGD Polyclonal antibody

Catalog Number: 15315-1-AP



## Basic Information

### Catalog Number:

15315-1-AP

### Size:

150ul, Concentration: 270 ug/ml by Nanodrop;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG7557

### GenBank Accession Number:

BC003088

### GeneID (NCBI):

58528

### UNIPROT ID:

Q9NQL2

### Full Name:

Ras-related GTP binding D

### Calculated MW:

46 kDa

### Observed MW:

46-50 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:500-1:1000

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

IF/ICC 1:200-1:800

## Applications

### Tested Applications:

WB, IF/ICC, IP, ELISA

### Species Specificity:

human, mouse, rat

### Positive Controls:

WB : NIH/3T3 cells, mouse skeletal muscle tissue, rat skeletal muscle tissue

IP : NIH/3T3 cells,

IF/ICC : HepG2 cells,

## Background Information

Ras-related GTP-binding protein D (RRAGD) is a monomeric GTP or GDP binding protein, which plays a critical role in mediating amino acid stimulated mTOR signaling pathway, a key pathway in determination of cell growth and proliferation rate. Recently, RRAGD has been reported involving the progression of ovarian cancer and colon cancer.

## 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

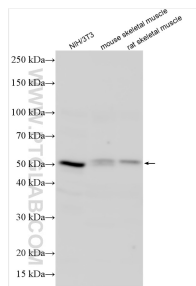
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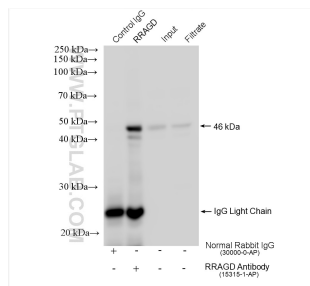
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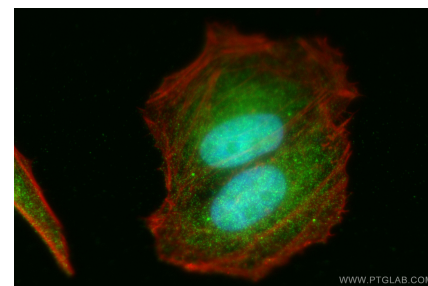
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 15315-1-AP (RRAGD antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



IP result of anti-RRAGD (IP:15315-1-AP, 4ug;  
Detection:15315-1-AP 1:500) with NIH/3T3 cells  
lysate 1120 ug.



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using RRAGD antibody (15315-1-AP) at dilution of 1:400 and CoraLite® 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-phalloidin (red).