

For Research Use Only

# RRAGD Polyclonal antibody

Catalog Number: 15315-1-AP



## Basic Information

**Catalog Number:**

15315-1-AP

**Size:**

270 ug/ml

**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

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

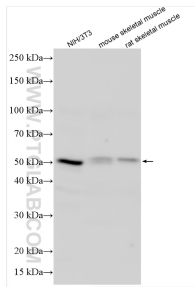
T: 4006900926

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

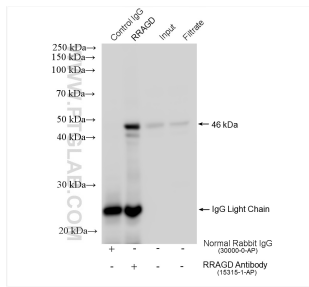
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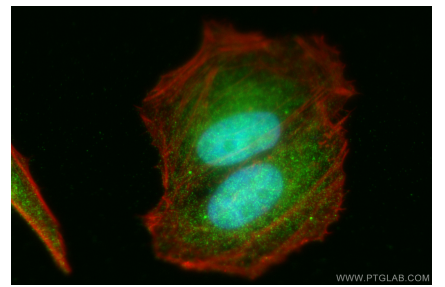
## Selected Validation Data



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).