

For Research Use Only

RGS5 Polyclonal antibody

Catalog Number: 11590-1-AP

Featured Product

15 Publications



Basic Information

Catalog Number:

11590-1-AP

Size:

1200 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG2196

GenBank Accession Number:

BC030059

GeneID (NCBI):

8490

UNIPROT ID:

O15539

Full Name:

regulator of G-protein signaling 5

Calculated MW:

181 aa, 21 kDa

Observed MW:

42 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:5000

IHC 1:200-1:800

IF/ICC 1:200-1:800

Applications

Tested Applications:

WB, IHC, IF/ICC, FC (Intra), ELISA

Cited Applications:

WB, IHC, IF

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse

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 : mouse skeletal muscle tissue, human heart tissue, human skeletal muscle tissue, mouse heart tissue, MCF-7 cells, rat skeletal muscle tissue

IHC : human stomach cancer tissue,

IF/ICC : HeLa cells,

Background Information

RGS5 inhibits signal transduction by increasing the GTPase activity of G protein alpha subunits thereby driving them into their inactive GDP-bound form. It binds to G(i)-alpha and G(o)-alpha, but not to G(s)-alpha. The 42kd band recognized by this antibody is a RGS5-RGS5 dimer. (Pubmed:17762159)

Notable Publications

| Author | Pubmed ID | Journal | Application |
|-----------------|-----------|--------------|-------------|
| Andreas Enström | 36111549 | Biol Open | WB |
| Bo Hao | 36270103 | Transl Oncol | IF |
| Zhaohui Chen | 33033240 | Nat Commun | IF |

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:

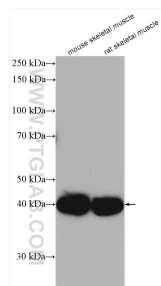
T: 4006900926

E: Proteintech-CN@ptglab.com

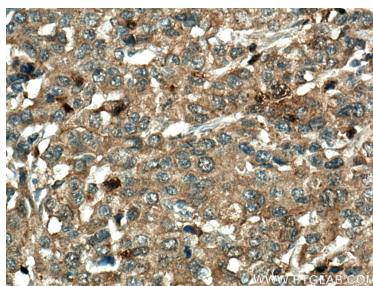
W: ptgcn.com

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

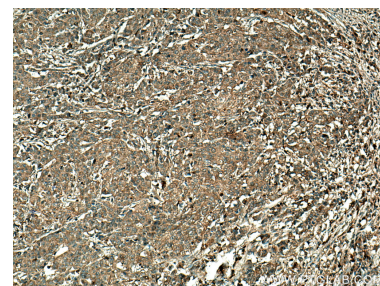
Selected Validation Data



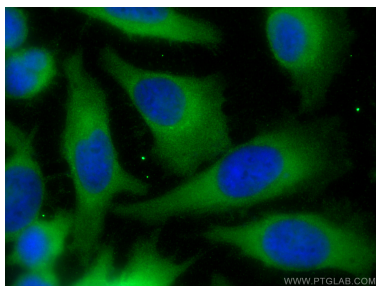
Various lysates were subjected to SDS PAGE followed by western blot with 11590-1-AP (RGS5 antibody) at dilution of 1:2500 incubated at room temperature for 1.5 hours.



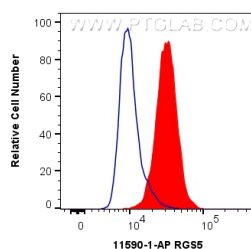
Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using 11590-1-AP (RGS5 antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using 11590-1-AP (RGS5 antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Methanol) fixed HeLa cells using RGS5 antibody (11590-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L).



1X10⁶ HeLa cells were intracellularly stained with 0.4 ug Anti-Human RGS5 (11590-1-AP) and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).