

For Research Use Only

# RGS5 Polyclonal antibody

Catalog Number: 11590-1-AP

Featured Product

15 Publications



## Basic Information

<b>Catalog Number:</b> 11590-1-AP	<b>GenBank Accession Number:</b> BC030059	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul, Concentration: 1200 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 8490	<b>Recommended Dilutions:</b> WB 1:1000-1:5000 IHC 1:200-1:800 IF/ICC 1:200-1:800
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> O15539	
<b>Isotype:</b> IgG	<b>Full Name:</b> regulator of G-protein signaling 5	
<b>Immunogen Catalog Number:</b> AG2196	<b>Calculated MW:</b> 181 aa, 21 kDa	
	<b>Observed MW:</b> 42 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, IF/ICC, FC (Intra), ELISA	<b>Positive Controls:</b> 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,
<b>Cited Applications:</b> WB, IHC, IF	
<b>Species Specificity:</b> human, mouse, rat	
<b>Cited Species:</b> human, mouse	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## 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

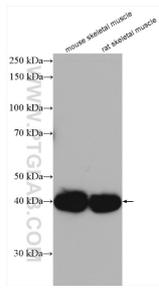
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

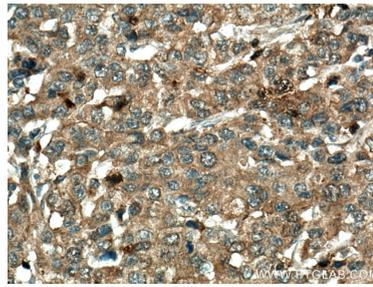
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

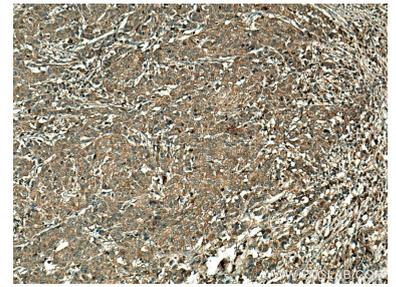
## Selected Validation Data



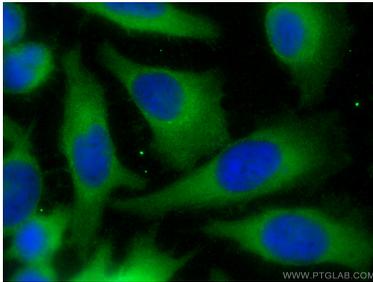
Various lysates were subjected to SDS PAGE followed by western blot with 11590-1-AP (RGS5 antibody) at dilution of 1:2500 incubated at room temperature for 1.5 hours.



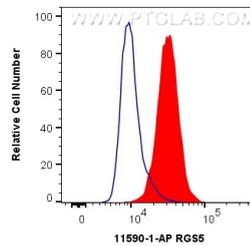
Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using 11590-1-AP (RGS5 antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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).



1X10<sup>6</sup> 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).