

For Research Use Only

RGS5 Polyclonal antibody

Catalog Number: 11590-1-AP **5 Publications**



Basic Information

Catalog Number: 11590-1-AP	GenBank Accession Number: BC030059	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 1200 µg/ml by Nanodrop and 467 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 8490	Recommended Dilutions: WB 1:1000-1:5000 IHC 1:200-1:800
Source: Rabbit	Full Name: regulator of G-protein signaling 5	
Isotype: IgG	Calculated MW: 181 aa, 21 kDa	
Immunogen Catalog Number: AG2196	Observed MW: 42 kDa	

Applications

Tested Applications:

IHC, WB, ELISA

Cited Applications:

IF, IHC, WB

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

IHC : human stomach cancer tissue,

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
Zhaohui Chen	33033240	Nat Commun	IF
Ursula Qwitterer	30503206	Cell	WB,IHC
Ya-Kun Gao	35320283	PLoS One	WB,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

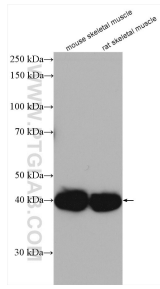
For technical support and original validation data for this product please contact:

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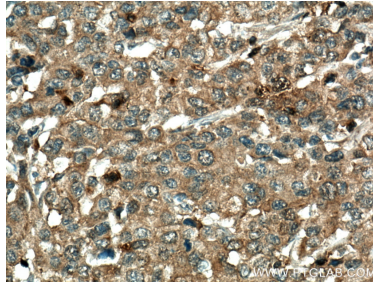
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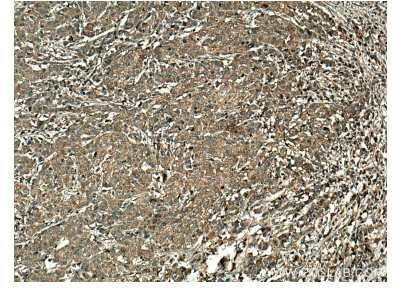
Selected Validation Data



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).



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