antibodies -online.com







anti-RGS4 antibody





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Quantity:	200 μL	
Target:	RGS4	
Reactivity:	Human, Mouse, Rat	
Host:	Rabbit	
Clonality:	Polyclonal	
Conjugate:	This RGS4 antibody is un-conjugated	
Application:	Western Blotting (WB), Immunofluorescence (IF)	

Product Details

Immunogen:	A synthetic peptide of human RGS4 (NP_005604.1).
Isotype:	lgG
Characteristics:	Polyclonal Antibody
Purification:	Affinity purification

Target Details

Target:	RGS4	
Alternative Name:	RGS4 (RGS4 Products)	
Background:	Regulator of G protein signaling (RGS) family members are regulatory molecules that act as GTPase activating proteins (GAPs) for G alpha subunits of heterotrimeric G proteins. RGS	
	proteins are able to deactivate G protein subunits of the Gi alpha, Go alpha and Gq alpha	
	subtypes. They drive G proteins into their inactive GDP-bound forms. Regulator of G protein	

Target Details

Molecular Weight:

Gene ID:

UniProt:

Pathways:

signaling 4 belongs to this family. All RGS proteins share a conserved 120-amino acid sequence
termed the RGS domain. Regulator of G protein signaling 4 protein is 37 % identical to RGS1
and 97 % identical to rat Rgs4. This protein negatively regulate signaling upstream or at the
level of the heterotrimeric G protein and is localized in the cytoplasm. Alternatively spliced
transcript variants have been found for this gene.
Observed_MW: 30 kDa
Calculated_MW: 10 kDa/21 kDa/23 kDa/33 kDa
5999
P49798

Myometrial Relaxation and Contraction, Regulation of G-Protein Coupled Receptor Protein

Application Details

Signaling

Application Notes:	WB 1:500-1:2000 IF 1:50-1:200	
Restrictions:	For Research Use only	
Handling		
Format:	Liquid	
Concentration:	1 mg/mL	
Buffer:	PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3	

Concentration:

1 mg/mL

Buffer:

PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3

Preservative:

Sodium azide

Precaution of Use:

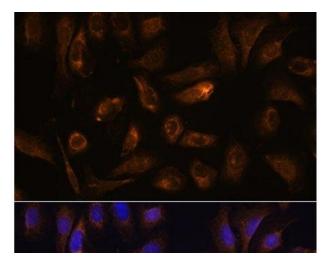
This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage:

-20 °C

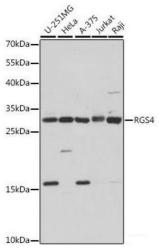
Storage Comment:

Store at -20°C. Avoid freeze / thaw cycles.



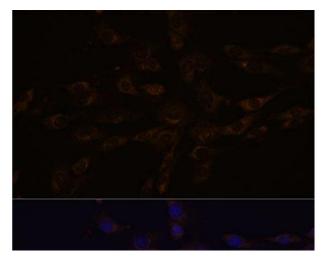
Immunofluorescence

Image 1. Immunofluorescence analysis of U-2 OS cells using RGS4 Polyclonal Antibody at dilution of 1:100. Blue: DAPI for nuclear staining.



Western Blotting

Image 2. Western blot analysis of extracts of various cell lines using RGS4 Polyclonal Antibody at dilution of 1:1000.



Immunofluorescence

Image 3. Immunofluorescence analysis of C6 cells using RGS4 Polyclonal Antibody at dilution of 1:100. Blue: DAPI for nuclear staining.

Please check the product details page for more images. Overall 4 images are available for ABIN7259747.