10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

RGS3 Antibody (N-Term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP21810a

Product Information

Application	WB, E
Primary Accession	P49796
Reactivity	Human, Mouse
Predicted	Rat, Bovine, Canine, Rabbit
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Clone Names	RB53399
Calculated MW	132336

Additional Information

Gene ID	5998
Other Names	Regulator of G-protein signaling 3, RGP3, RGS3, RGS3
Target/Specificity	This RGS3 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 273-307 amino acids from human RGS3.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	RGS3 Antibody (N-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	RGS3
Function	Down-regulates signaling from heterotrimeric G proteins by increasing the GTPase activity of the alpha subunits, thereby driving them into their inactive GDP-bound form. Down-regulates G protein- mediated release of inositol phosphates and activation of MAP kinases.

Cellular Location	Cytoplasm. Nucleus. Cell membrane; Peripheral membrane protein. Note=Long isoforms are cytoplasmic and associated with the plasma membrane (PubMed:9858594). Short isoforms are nuclear (PubMed:10749886)

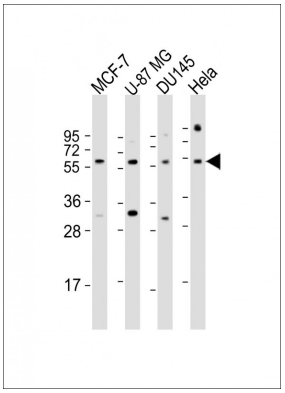
Background

Down-regulates signaling from heterotrimeric G-proteins by increasing the GTPase activity of the alpha subunits, thereby driving them into their inactive GDP-bound form. Down-regulates G- protein-mediated release of inositol phosphates and activation of MAP kinases.

References

Druey K.M.,et al.Nature 379:742-746(1996).
Kehrl J.H.,et al.Genomics 79:860-868(2002).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Chatterjee T.K.,et al.Submitted (DEC-2001) to the EMBL/GenBank/DDBJ databases.
Puhl H.L. III,et al.Submitted (MAR-2004) to the EMBL/GenBank/DDBJ databases.

Images



All lanes : Anti-RGS3 Antibody (N-Term) at 1:1000 dilution Lane 1: MCF-7 whole cell lysate Lane 2: U-87 MG whole cell lysate Lane 3: DU145 whole cell lysate Lane 4: Hela whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 57 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.