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RGS3 Antibody (N-Term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP21810a

Specification

RGS3 Antibody (N-Term) - Product Information

Application	**WB,E**
Primary Accession	P49796
Reactivity	**Human**
Host	**Rabbit**
Clonality	**polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**132336**

RGS3 Antibody (N-Term) - 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

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.

RGS3 Antibody (N-Term) - 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.

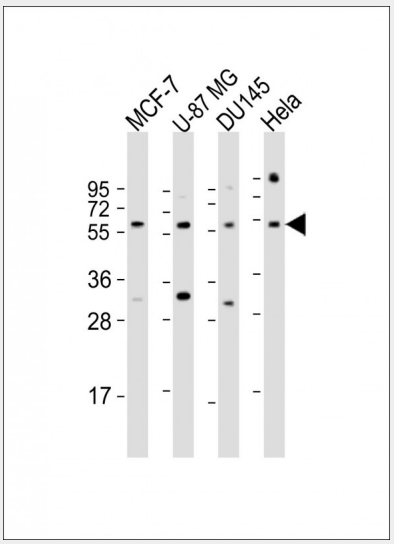
Cellular Location
Cytoplasm. Nucleus. Cell membrane; Peripheral membrane protein. Note=Long isoforms are cytoplasmic and associated with the plasma membrane (PubMed:9858594). Short isoforms are nuclear (PubMed:10749886)

RGS3 Antibody (N-Term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

RGS3 Antibody (N-Term) - 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.

RGS3 Antibody (N-Term) - 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.

RGS3 Antibody (N-Term) - 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.