

RGS3 Antibody
Rabbit Polyclonal Antibody
Catalog # ABV10220**Specification**

RGS3 Antibody - Product Information

Application	WB
Primary Accession	P49796
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	132336

RGS3 Antibody - Additional Information**Gene ID** 5998**Application & Usage****Western blot analysis (1 µg/ml) and immunoprecipitation. However, the optimal conditions should be determined individually.****Other Names**

RGS3, 602189, P49796, C2PA, FLJ20370, FLJ31516, FLJ90496, PDZ-RGS3, RGP3

Target/Specificity

RGS3

Antibody Form

Liquid

Appearance

Colorless liquid

Formulation

100 µg (0.2 mg/ml) protein A-purified rabbit anti-RGS3 polyclonal antibody in phosphate buffered saline (PBS), pH 7.2, containing 50% glycerol, 1% BSA, 0.02% sodium azide.

Handling

The antibody solution should be gently mixed before use.

Reconstitution & Storage

-20 °C

Background Descriptions**Precautions**

RGS3 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

RGS3 Antibody - 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

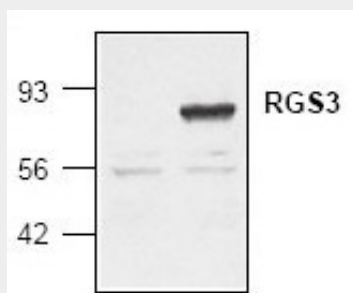
Cytoplasm. Nucleus. Cell membrane; Peripheral membrane protein. Note=Long isoforms are cytoplasmic and associated with the plasma membrane (PubMed:9858594). Short isoforms are nuclear (PubMed:10749886)

RGS3 Antibody - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

RGS3 Antibody - Images



Western blot analysis of RGS3 in transfected HEK293 cells (right lane). The left lane is mock control.

RGS3 Antibody - Background

RGS3 (regulator of G protein signaling 3) is a 519-residue protein that is widely expressed in many tissues and cells. The protein contains an RGS domain near the carboxy terminus that serves as a GTPase-activating protein (GAP). RGS3 negatively regulates the activation of $G_{i\alpha}$ and $G_{q\alpha}$. A truncated RGS3 (RGS3T), with its N-terminal 313 residues removed, has been shown to negatively regulate acenyl cyclase and PLC. RGS3T may be localized in the nucleus and RGS3 is found in cytoplasm. Translocation to membrane is important for the RGS proteins to interact with heterotrimeric G proteins.