

RGS20 antibody - N-terminal region
Rabbit Polyclonal Antibody
Catalog # AI10109**Specification**

RGS20 antibody - N-terminal region - Product Information

| | |
|-------------------|--|
| Application | WB |
| Primary Accession | O76081 |
| Other Accession | O76081 , NP_003693 , NM_003702 |
| Reactivity | Human, Mouse, Rat, Guinea Pig, Horse |
| Predicted | Human, Mouse, Rat, Guinea Pig, Horse |
| Host | Rabbit |
| Clonality | Polyclonal |
| Calculated MW | 27 kDa KDa |

RGS20 antibody - N-terminal region - Additional Information**Gene ID** 8601**Alias Symbol** **RGSZ1, ZGAP1****Other Names**

Regulator of G-protein signaling 20, RGS20, Gz-selective GTPase-activating protein, G(z)GAP, Gz-GAP, Regulator of G-protein signaling Z1, Regulator of Gz-selective protein signaling 1, RGS20, RGSZ1, ZGAP1

Target/Specificity

The protein encoded by this gene belongs to the family of regulator of G protein signaling (RGS) proteins, which are regulatory and structural components of G protein-coupled receptor complexes. RGS proteins inhibit signal transduction by increasing the GTPase activity of G protein alpha subunits, thereby driving them into their inactive GDP-bound forms. This protein selectively binds to G(z)-alpha and G(alpha)-i2 subunits, and regulates their signaling activities. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.

Format

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage

Add 50 ul of distilled water. Final anti-RGS20 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at -20°C. Avoid repeat freeze-thaw cycles.

Precautions

RGS20 antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

RGS20 antibody - N-terminal region - Protein Information**Name** RGS20

Synonyms RGSZ1, ZGAP1

Function

Inhibits signal transduction by increasing the GTPase activity of G protein alpha subunits thereby driving them into their inactive GDP-bound form. Binds selectively to G(z)-alpha and G(alpha)- i2 subunits, accelerates their GTPase activity and regulates their signaling activities. The G(z)-alpha activity is inhibited by the phosphorylation and palmitoylation of the G-protein. Negatively regulates mu-opioid receptor-mediated activation of the G-proteins (By similarity).

Cellular Location

Membrane; Lipid-anchor. Nucleus. Cytoplasm. Note=Shuttles between the cytoplasm/cell membrane and the nucleus Anchored to the membrane through palmitoylation.

Tissue Location

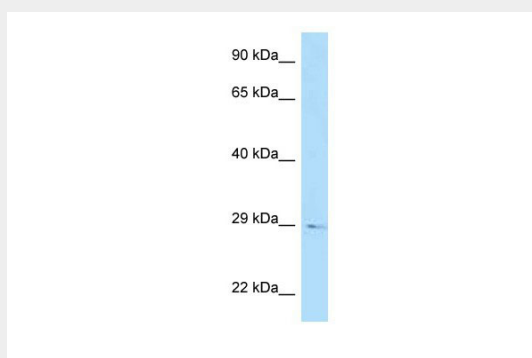
Isoform 5 is expressed in brain at high levels in the caudate nucleus and temporal lobe

RGS20 antibody - N-terminal region - 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](#)

RGS20 antibody - N-terminal region - Images



RGS20 antibody - N-terminal region (AI10109) in Human COLO205 cells using Western Blot
WB Suggested Anti-RGS20 Antibody Titration: 1.0 µg/ml
Positive Control: COLO205 Whole Cell

RGS20 antibody - N-terminal region - Background

This is a rabbit polyclonal antibody against RGS20. It was validated on Western Blot by Abgent. At Abgent we manufacture rabbit polyclonal antibodies on a large scale (200-1000 products/month) of high throughput manner. Our antibodies are peptide based and protein family oriented. We usually provide antibodies covering each member of a whole protein family of your interest. We also use our best efforts to provide you antibodies recognize various epitopes of a target protein. For availability of antibody needed for your experiment, please inquire (sales@abgent.com).