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RGS20 antibody - N-terminal region

Rabbit Polyclonal Antibody
Catalog # AI10109

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	43692

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.

Protein Information

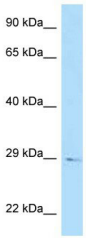
Name	RGS20

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

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).

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