

RGS17 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP57689**Specification**

RGS17 Polyclonal Antibody - Product Information

Application	IHC-P
Primary Accession	O9UGC6
Reactivity	Rat, Pig, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	24359

RGS17 Polyclonal Antibody - Additional Information**Gene ID** 26575**Other Names**

Regulator of G-protein signaling 17, RGS17, RGS17, RGSZ2 {ECO:0000303|PubMed:15096504}

Format

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

RGS17 Polyclonal Antibody - Protein Information**Name** RGS17**Synonyms** RGSZ2 {ECO:0000303|PubMed:15096504}**Function**

Regulates G protein-coupled receptor signaling cascades, including signaling via muscarinic acetylcholine receptor CHRM2 and dopamine receptor DRD2. Inhibits signal transduction by increasing the GTPase activity of G protein alpha subunits, thereby driving them into their inactive GDP-bound form (PubMed:15096504). Binds selectively to GNAZ and GNAI2 subunits, accelerates their GTPase activity and regulates their signaling activities. Negatively regulates mu-opioid receptor-mediated activation of the G-proteins (By similarity).

Cellular Location

Membrane {ECO:0000250|UniProtKB:Q9QZB0}. Synapse, synaptosome {ECO:0000250|UniProtKB:Q9QZB0}. Nucleus {ECO:0000250|UniProtKB:Q9QZB0}. Cytoplasm {ECO:0000250|UniProtKB:Q9QZB0}

Tissue Location

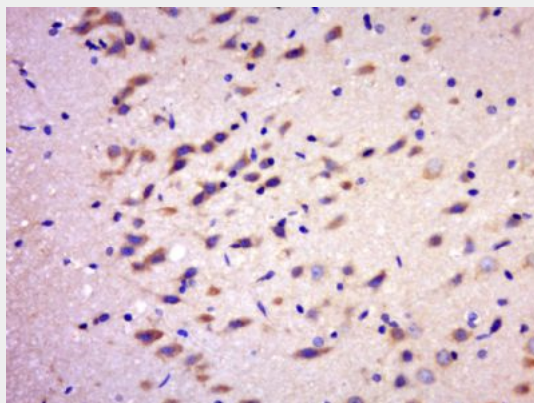
Predominantly expressed in the cerebellum. Also expressed in the cortex and medulla. Weakly expressed in a number of peripheral tissues notably spleen, lung and leukocytes

RGS17 Polyclonal 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](#)

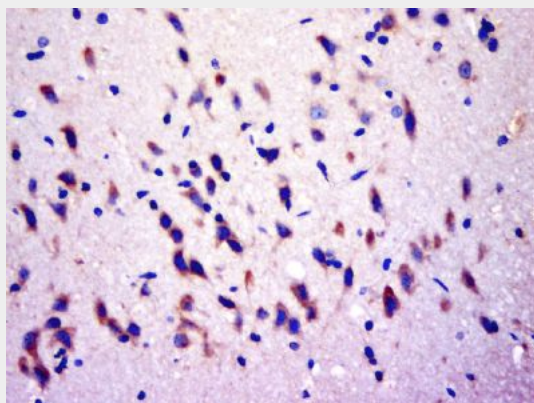
RGS17 Polyclonal Antibody - Images



Tissue/cell: Rat brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;

Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;

Incubation: Anti-RGS17 Polyclonal Antibody, Unconjugated(bs-19857R) 1:400, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Paraformaldehyde-fixed, paraffin embedded (rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20

minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (RGS17) Polyclonal Antibody, Unconjugated (bs-19857R) at 1:400 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining