10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

RGS9 antibody - N-terminal region
Rabbit Polyclonal Antibody
Catalog # AI16193

Specification

RGS9 antibody - N-terminal region - Product Information

Application	**WB, IHC**
Primary Accession	O75916
Other Accession	NM_003835, NP_003826
Reactivity	**Human, Mouse, Rat, Rabbit, Horse, Bovine, Dog**
Predicted	**Human, Mouse, Rat, Rabbit, Horse, Bovine, Dog**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**49kDa KDa**

RGS9 antibody - N-terminal region - Additional Information

Gene ID 8787

Alias Symbol	**PERRS, RGS9L**

Other Names
Regulator of G-protein signaling 9, RGS9, RGS9

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

Reconstitution & Storage
Add 100 ul of distilled water. Final anti-RGS9 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
RGS9 antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

RGS9 antibody - N-terminal region - Protein Information

Name RGS9

Function
Inhibits signal transduction by increasing the GTPase activity of G protein alpha subunits thereby driving them into their inactive GDP-bound form. Binds to GNAT1. Involved in phototransduction; key element in the recovery phase of visual transduction (By similarity).

Cellular Location
[Isoform 3]: Membrane; Peripheral membrane protein. Note=Isoform 3 is targeted to the membrane via its interaction with RGS9BP.

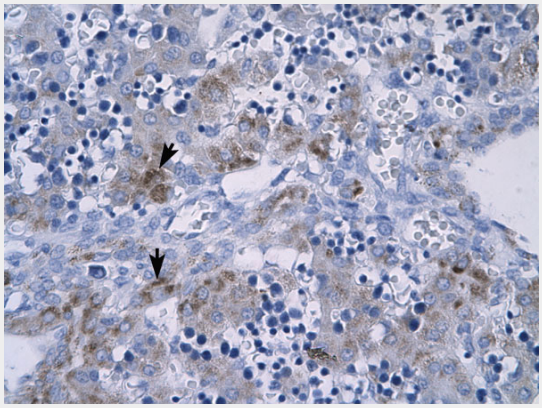
Tissue Location
Highly expressed in the caudate and putamen, lower levels found in the hypothalamus and nucleus accumbens and very low levels in cerebellum. Not expressed in globus pallidus or cingulate cortex. Isoform 2 is expressed predominantly in pineal gland and retina. Isoform 3 is expressed in retina (abundant in photoreceptors)

RGS9 antibody - N-terminal region - Protocols

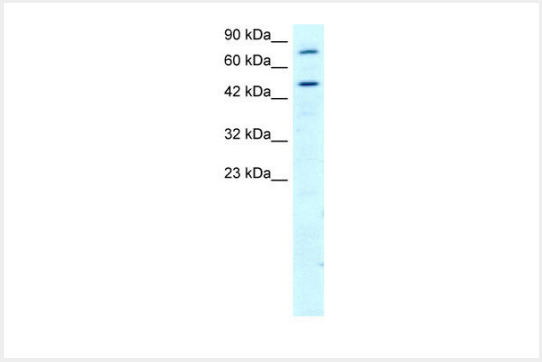
Provided below are standard protocols that you may find useful for product applications.

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

RGS9 antibody - N-terminal region - Images



Human Liver



WB Suggested Anti-RGS9 Antibody Titration: 2.0µg/ml
Positive Control: HepG2 cell lysate

RGS9 antibody - N-terminal region - Background

Inhibits signal transduction by increasing the GTPase activity of G protein alpha subunits thereby

driving them into their inactive GDP-bound form. Binds to G(t)-alpha. Involved in phototransduction; key element in the recovery phase of visual transduction (By similarity).

RGS9 antibody - N-terminal region - References

Granneman J.G.,et al.Mol. Pharmacol. 54:687-694(1998).
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