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# RGS9 antibody - N-terminal region

Rabbit Polyclonal Antibody
Catalog # AI16193

## Product Information

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|---|---|
| **Application** | WB, IHC |
| **Primary Accession** | O75916 |
| **Other Accession** | NM_003835, NP_003826 |
| **Reactivity** | Human, Mouse, Rat, Rabbit, Dog, Horse, Bovine |
| **Predicted** | Human, Mouse, Rat, Rabbit, Dog, Horse, Bovine |
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Calculated MW** | 76966 |

## Additional Information

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|---|---|
| **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. |

## Protein Information

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| **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)

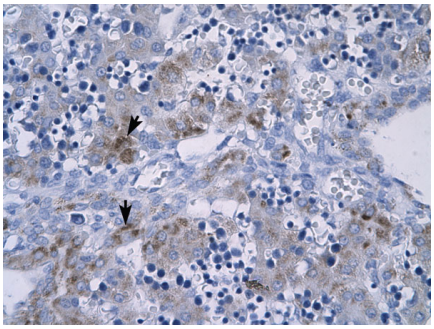
## Background

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).

## References


Granneman J.G.,et al.Mol. Pharmacol. 54:687-694(1998).
Zhang K.,et al.Gene 240:23-34(1999).
Puhl H.L. III,et al.Submitted (MAR-2004) to the EMBL/GenBank/DDBJ databases.
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Zody M.C.,et al.Nature 440:1045-1049(2006).


## Images



Human Liver




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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.