

# RGS3 Rabbit pAb

Catalog # AP97859

## Product Information

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|-----------------------------------------|---------------------------------------------------------------------------------------------------------------------------|
| <b>Application</b>                      | IHC-P, IHC-F, IF, E                                                                                                       |
| <b>Primary Accession</b>                | <a href="#">P49796</a>                                                                                                    |
| <b>Other Accession</b>                  | <a href="#">P49796</a>                                                                                                    |
| <b>Predicted</b>                        | Rat, Human, Mouse, Rabbit, Chicken, Dog, Sheep                                                                            |
| <b>Host</b>                             | Rabbit                                                                                                                    |
| <b>Clonality</b>                        | Polyclonal                                                                                                                |
| <b>Calculated MW</b>                    | 132336                                                                                                                    |
| <b>Physical State</b>                   | Liquid                                                                                                                    |
| <b>Immunogen</b>                        | KLH conjugated synthetic peptide derived from human RGS3                                                                  |
| <b>Epitope Specificity</b>              | 301-400/1198                                                                                                              |
| <b>Isotype</b>                          | IgG                                                                                                                       |
| <b>Purity</b>                           | affinity purified by Protein A                                                                                            |
| <b>Buffer</b>                           | 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.                                                         |
| <b>SIMILARITY</b>                       | Contains 1 C2 domain. Contains 1 PDZ (DHR) domain. Contains 1 RGS domain.                                                 |
| <b>Post-translational modifications</b> | Phosphorylated by cyclic GMP-dependent protein kinase. ISGylated.                                                         |
| <b>Important Note</b>                   | This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications. |

## Additional Information

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| <b>Gene ID</b>     | 5998                                                                                                                                                                                                                |
| <b>Other Names</b> | C2PA; RGP3; 4930506N09Rik; C2PA-RGS3; PDZ-RGS3; RGS3S; SRB-RGS; RGS3_HUMAN; RGS3; RGS3_MOUSE; RGS3_RAT; regulator of G protein signaling 3; regulator of G-protein signalling 3; regulator of G-protein signaling 3 |
| <b>Dilution</b>    | IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:5000-10000                                                                                                                                    |
| <b>Storage</b>     | 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.                     |

## Protein Information

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| <b>Name</b>     | RGS3                                                                                                                                                                                                                             |
| <b>Function</b> | Down-regulates signaling from heterotrimeric G proteins by increasing the GTPase activity of the alpha subunits, thereby driving them into their inactive GDP-bound form. Down-regulates G protein- mediated release of inositol |

phosphates and activation of MAP kinases.

**Cellular Location**

Cytoplasm. Nucleus. Cell membrane; Peripheral membrane protein.  
Note=Long isoforms are cytoplasmic and associated with the plasma membrane (PubMed:9858594). Short isoforms are nuclear (PubMed:10749886)

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