

## Rabbit anti-Human RGS9 Polyclonal Antibody | anti-RGS9 antibody

RGS9 Antibody (N-term)

| CATALOG # | HOST   | REACTIVITY | APPLICATIONS                              |
|-----------|--------|------------|-------------------------------------------|
| AAA289990 | Rabbit | Human      | Immunohistochemistry, ELISA, Western Blot |

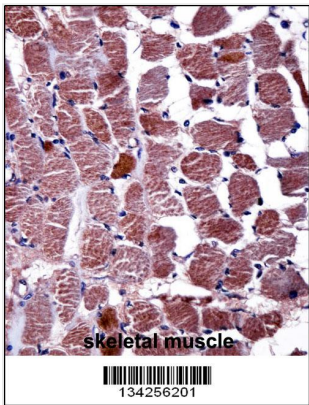
### PRODUCT SYNONYMS

RGS9; Polyclonal Antibody; RGS9 Antibody (N-term); Regulator of G-protein signaling 9; anti-RGS9 antibody

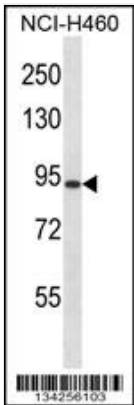
### PRODUCT SPECIFICATIONS

|                                                |                                                                                                                                                                              |
|------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                                                                                       |
| Reactivity                                     | Human                                                                                                                                                                        |
| Clonality                                      | Polyclonal                                                                                                                                                                   |
| Isotype                                        | Rabbit Ig                                                                                                                                                                    |
| Specificity                                    | This RGS9 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 149-178 amino acids from the N-terminal region of human RGS9.         |
| Purity/Purification                            | Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)                                                                                                                   |
| Form/Format                                    | Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification. |
| Concentration                                  | Vial Concentration: 0.35 (varies by lot)                                                                                                                                     |
| Sequence Positions                             | 149-178                                                                                                                                                                      |
| Sequence Length                                | 671                                                                                                                                                                          |
| Applicable Applications for anti-RGS9 antibody | IHC (Immunohistochemistry), ELISA, WB (Western Blot)                                                                                                                         |
| Antigen Type                                   | Synthetic Peptide                                                                                                                                                            |
| Antigen Source                                 | HUMAN                                                                                                                                                                        |
| Preparation and Storage                        | Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.                       |

IMAGES



**IHC (Immunohiostchemistry)**  
RGS9 Antibody (N-term) (AAA289990)immunohistochemistry analysis in formalin fixed and paraffin embedded human skeletal muscle followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of RGS9 Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.



**WB (Western Blot)**  
RGS9 Antibody (N-term) western blot analysis in NCI-H460 cell line lysates (35ug/lane).This demonstrates the RGS9 antibody detected the RGS9 protein (arrow).

ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-RGS9 antibody | This gene encodes a member of the RGS family of GTPase activating proteins that function in various signaling pathways by accelerating the deactivation of G proteins. This protein is anchored to photoreceptor membranes in retinal cells and deactivates G proteins in the rod and cone phototransduction cascades. Mutations in this gene result in bradyopsia. Multiple transcript variants encoding different isoforms have been found for this gene. |
| Product Categories/Family for anti-RGS9 antibody   | Signal Transduction                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| References                                         | Wang, J., et al. Carcinogenesis 31(10):1755-1761(2010)<br>Celver, J., et al. J. Neurochem. 114(3):739-749(2010)<br>Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :<br>Greenbaum, L., et al. Psychiatr. Genet. 20(1):47-48(2010)<br>Sugiyama, N., et al. Mol. Cell Proteomics 6(6):1103-1109(2007)                                                                                                                                                   |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                |
|----------------------------------|----------------------------------------------------------------|
| NCBI GI #                        | 126366080                                                      |
| NCBI GeneID                      | 8787                                                           |
| NCBI Accession #                 | NP_001075424.1; NP_003826.2                                    |
| NCBI GenBank Nucleotide #        | NM_001081955.2                                                 |
| UniProt Accession #              | O75916; O75573; Q696R2; Q8TD64; Q8TD65; Q9HC32; Q9HC33; A8K3C0 |
| Molecular Weight                 | 76966                                                          |
| NCBI Official Full Name          | regulator of G-protein signaling 9 isoform 2                   |
| NCBI Official Synonym Full Names | regulator of G-protein signaling 9                             |
| NCBI Official Symbol             | RGS9                                                           |
| NCBI Official Synonym Symbols    | PERRS; RGS9L                                                   |
| NCBI Protein Information         | regulator of G-protein signaling 9                             |

|                            |                                    |
|----------------------------|------------------------------------|
| UniProt Protein Name       | Regulator of G-protein signaling 9 |
| UniProt Gene Name          | <b>RGS9</b>                        |
| UniProt Synonym Gene Names | RGS9                               |
| UniProt Entry Name         | RGS9_HUMAN                         |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/rgs9-antibody-immunohistochemistry-western-blot-elisa/289990>