

**RGS16 Antibody (N-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP14770a****Specification**

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**RGS16 Antibody (N-term) Blocking Peptide - Product Information**Primary Accession [O15492](#)**RGS16 Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 6004**Other Names**

Regulator of G-protein signaling 16, RGS16, A28-RGS14P, Retinal-specific RGS, RGS-r, hRGS-r, Retinally abundant regulator of G-protein signaling, RGS16, RGSR

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**RGS16 Antibody (N-term) Blocking Peptide - Protein Information****Name** RGS16**Synonyms** RGSR**Function**Regulates G protein-coupled receptor signaling cascades. Inhibits signal transduction by increasing the GTPase activity of G protein alpha subunits, thereby driving them into their inactive GDP-bound form (PubMed: <http://www.uniprot.org/citations/11602604> target="\_blank">11602604</a>, PubMed: <http://www.uniprot.org/citations/18434541> target="\_blank">18434541</a>). Plays an important role in the phototransduction cascade by regulating the lifetime and effective concentration of activated transducin alpha. May regulate extra and intracellular mitogenic signals (By similarity).**Cellular Location**

Membrane {ECO:0000250|UniProtKB:P97428}; Lipid- anchor {ECO:0000250|UniProtKB:P97428}

**Tissue Location**

Abundantly expressed in retina with lower levels of expression in most other tissues

## **RGS16 Antibody (N-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

## **RGS16 Antibody (N-term) Blocking Peptide - Images**

## **RGS16 Antibody (N-term) Blocking Peptide - Background**

The protein encoded by this gene belongs to the 'regulator of G protein signaling' family. It inhibits signal transduction by increasing the GTPase activity of G protein alpha subunits. It also may play a role in regulating the kinetics of signaling in the phototransduction cascade.

## **RGS16 Antibody (N-term) Blocking Peptide - References**

Wang, J., et al. Carcinogenesis 31(10):1755-1761(2010) Kim, J.H., et al. Tumour Biol. 31(5):541-548(2010) Miyoshi, N., et al. Ann. Surg. Oncol. 16(12):3507-3514(2009) Liang, G., et al. J. Biol. Chem. 284(32):21719-21727(2009) Wiechec, E., et al. Genes Chromosomes Cancer 47(9):766-780(2008)