

RGS5 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP14899a**Specification**

RGS5 Antibody (N-term) Blocking Peptide - Product InformationPrimary Accession [O15539](#)**RGS5 Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 8490**Other Names**

Regulator of G-protein signaling 5, RGS5, RGS5

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.

RGS5 Antibody (N-term) Blocking Peptide - Protein Information**Name** RGS5**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 G(i)-alpha and G(o)-alpha, but not to G(s)-alpha (By similarity).

Cellular Location

[Isoform 1]: Cytoplasm. Membrane

RGS5 Antibody (N-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

RGS5 Antibody (N-term) Blocking Peptide - Images**RGS5 Antibody (N-term) Blocking Peptide - Background**

This gene encodes a member of the regulators of G proteinsignaling (RGS) family. The RGS proteins are signal transductionmolecules which are involved in the regulation of heterotrimeric Gproteins by acting as GTPase activators. This gene is ahypoxia-inducible factor-1 dependent, hypoxia-induced gene which isinvolved in the induction of endothelial apoptosis. This gene isalso one of three genes on chromosome 1q contributing to elevatedblood pressure. Alternatively spliced transcript variants encodingdifferent isoforms have been identified.

RGS5 Antibody (N-term) Blocking Peptide - References

Wang, J., et al. Carcinogenesis 31(10):1755-1761(2010)Li, H., et al. Proc. Natl. Acad. Sci. U.S.A. 107(31):13818-13823(2010)Liu, C.Y., et al. Carcinogenesis 31(7):1259-1263(2010)Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :Xiao, B., et al. Clin. Chem. Lab. Med. 47(12):1483-1488(2009)