

**EDG3 Antibody (N-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP6139a****Specification**

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**EDG3 Antibody (N-term) Blocking Peptide - Product Information**Primary Accession [Q99500](#)**EDG3 Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 1903**Other Names**

Sphingosine 1-phosphate receptor 3, S1P receptor 3, S1P3, Endothelial differentiation G-protein coupled receptor 3, Sphingosine 1-phosphate receptor Edg-3, S1P receptor Edg-3, S1PR3, EDG3

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody [AP6139a](/product/products/AP6139a) was selected from the N-term region of human EDG3. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

**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.

**EDG3 Antibody (N-term) Blocking Peptide - Protein Information****Name** S1PR3 ([HGNC:3167](#))**Function**

Receptor for the lysosphingolipid sphingosine 1-phosphate (S1P). S1P is a bioactive lysophospholipid that elicits diverse physiological effect on most types of cells and tissues. When expressed in rat HTC4 hepatoma cells, is capable of mediating S1P-induced cell proliferation and suppression of apoptosis.

**Cellular Location**

Cell membrane; Multi-pass membrane protein.

**Tissue Location**

Expressed in all tissues, but most abundantly in heart, placenta, kidney, and liver

### **EDG3 Antibody (N-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

### **EDG3 Antibody (N-term) Blocking Peptide - Images**

### **EDG3 Antibody (N-term) Blocking Peptide - Background**

EDG3 is a member of the EDG family of receptors, which are G protein-coupled receptors. This protein has been identified as a functional receptor for sphingosine 1-phosphate and likely contributes to the regulation of angiogenesis and vascular endothelial cell function.

### **EDG3 Antibody (N-term) Blocking Peptide - References**

Licht, T., et al., Blood 102(6):2099-2107 (2003).Himmel, H.M., et al., Mol. Pharmacol. 58(2):449-454 (2000).An, S., et al., J. Biol. Chem. 275(1):288-296 (2000).Ancellin, N., et al., J. Biol. Chem. 274(27):18997-19002 (1999).Lee, M.J., et al., Cell 99(3):301-312 (1999).