

# **EDG7 Antibody (C-term) Blocking Peptide**

Synthetic peptide Catalog # BP6143a

## **Specification**

## **EDG7** Antibody (C-term) Blocking Peptide - Product Information

**Primary Accession** 

Q9UBY5

## EDG7 Antibody (C-term) Blocking Peptide - Additional Information

**Gene ID 23566** 

#### **Other Names**

Lysophosphatidic acid receptor 3, LPA receptor 3, LPA-3, Lysophosphatidic acid receptor Edg-7, LPAR3, EDG7, LPA3

### **Target/Specificity**

The synthetic peptide sequence used to generate the antibody <a

href=/product/products/AP6143a>AP6143a</a> was selected from the C-term region of human EDG7 . 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.

#### EDG7 Antibody (C-term) Blocking Peptide - Protein Information

#### Name LPAR3

Synonyms EDG7, LPA3

### **Function**

Receptor for lysophosphatidic acid (LPA), a mediator of diverse cellular activities. May play a role in the development of ovarian cancer. Seems to be coupled to the G(i)/G(o) and G(q) families of heteromeric G proteins.

#### **Cellular Location**

Cell membrane; Multi-pass membrane protein.

### **Tissue Location**

Most abundantly expressed in prostate, testes, pancreas, and heart, with moderate levels in lung



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and ovary. No detectable expression in brain, placenta, liver, skeletal muscle, kidney, spleen, thymus, small intestine, colon, or peripheral blood leukocytes

## **EDG7** Antibody (C-term) Blocking Peptide - Protocols

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

#### • Blocking Peptides

**EDG7 Antibody (C-term) Blocking Peptide - Images** 

# EDG7 Antibody (C-term) Blocking Peptide - Background

EDG7 is a member of the G protein-coupled receptor family, as well as the EDG family of proteins. This protein functions as a cellular receptor for lysophosphatidic acid and mediates lysophosphatidic acid-evoked calcium mobilization. This receptor couples predominantly to G(q/11) alpha proteins.

### **EDG7 Antibody (C-term) Blocking Peptide - References**

Fujita, T., et al., Cancer Lett. 192(2):161-169 (2003).lm, D.S., et al., Mol. Pharmacol. 57(4):753-759 (2000). Fitzgerald, L.R., et al., Biochem. Biophys. Res. Commun. 273(3):805-810 (2000). Bandoh, K., et al., J. Biol. Chem. 274(39):27776-27785 (1999). Hama, K., et al., FEBS Lett. 523 (1-3), 187-192 (2002).