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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 AP6143a 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

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).Im, 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).