10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

LPAR4 Antibody (Center) Blocking Peptide

Synthetic peptide
Catalog # BP16685c

Specification

LPAR4 Antibody (Center) Blocking Peptide - Product Information

Primary Accession Q99677

LPAR4 Antibody (Center) Blocking Peptide - Additional Information

Gene ID 2846

Other Names
Lysophosphatidic acid receptor 4, LPA receptor 4, LPA-4, G-protein coupled receptor 23, P2Y purinoceptor 9, P2Y9, P2Y5-like receptor, Purinergic receptor 9, LPAR4, GPR23, LPA4, P2RY9

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.

LPAR4 Antibody (Center) Blocking Peptide - Protein Information

Name LPAR4

Synonyms GPR23, LPA4, P2RY9

Function
Receptor for lysophosphatidic acid (LPA), a mediator of diverse cellular activities. Transduces a signal by increasing the intracellular calcium ions and by stimulating adenylyl cyclase activity. The rank order of potency for agonists of this receptor is 1- oleoyl- > 1-stearoyl- > 1-palmitoyl- > 1-myristoyl- > 1-alkyl- > 1- alkenyl-LPA.

Cellular Location
Cell membrane; Multi-pass membrane protein.

Tissue Location
High expression in ovary. Not detected in the brain regions thalamus, putamen, caudate, frontal cortex, pons, hypothalamus and hippocampus.

LPAR4 Antibody (Center) Blocking Peptide - Protocols

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

- Blocking Peptides

LPAR4 Antibody (Center) Blocking Peptide - Images

LPAR4 Antibody (Center) Blocking Peptide - Background

This gene encodes a member of the lysophosphatidic acidreceptor family. It may also be related to the P2Y receptors, afamily of receptors that bind purine and pyrimidine nucleotides andare coupled to G proteins. The encoded protein may play a role inmonocytic differentiation.

LPAR4 Antibody (Center) Blocking Peptide - References

Liu, Y.B., et al. J. Cell. Biochem. 109(4):794-800(2010)Kumar, S.A., et al. Leuk. Lymphoma 50(12):2038-2048(2009)Luttrell, L.M. Mol. Biotechnol. 39(3):239-264(2008)Dowal, L., et al. J. Biol. Chem. 281(33):23999-24014(2006)Noguchi, K., et al. J. Biol. Chem. 278(28):25600-25606(2003)