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OPCML Antibody(Center) Blocking peptide
Synthetic peptide
Catalog # BP19622c

Specification

OPCML Antibody(Center) Blocking peptide - Product Information

Primary Accession Q14982

OPCML Antibody(Center) Blocking peptide - Additional Information

Gene ID 4978

Other Names
Opioid-binding protein/cell adhesion molecule, OBCAM, OPCML, Opioid-binding cell adhesion molecule, IgLON family member 1, OPCML, IGLON1, OBCAM

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.

OPCML Antibody(Center) Blocking peptide - Protein Information

Name OPCML

Synonyms IGLON1, OBCAM

Function
Binds opioids in the presence of acidic lipids; probably involved in cell contact.

Cellular Location
Cell membrane; Lipid-anchor, GPI- anchor

OPCML Antibody(Center) Blocking peptide - Protocols

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

- Blocking Peptides

OPCML Antibody(Center) Blocking peptide - Images

OPCML Antibody(Center) Blocking peptide - Background

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This gene encodes a member of the IgLON subfamily in theimmunoglobulin protein superfamily. The encoded protein islocalized in the plasma membrane and may have an accessory role inopioid receptor function. This gene has an ortholog in rat andbovine. The opioid binding-cell adhesion molecule encoded by therat gene binds opioid alkaloids in the presence of acidic lipids,exhibits selectivity for mu ligands and acts as a GPI-anchoredprotein. Since the encoded protein is highly conserved in speciesduring evolution, it may have a fundamental role in mammaliansystems. Two transcript variants encoding different isoforms havebeen found for this gene.

OPCML Antibody(Center) Blocking peptide - References

Bailey, S.D., et al. Diabetes Care (2010) In press :Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009)Stolk, L., et al. Nat. Genet. (2009) In press :Cui, Y., et al. PLoS ONE 3 (8), E2990 (2008) :