

MFSD2B Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP14483b**Specification**

MFSD2B Antibody (C-term) Blocking Peptide - Product Information

Primary Accession [A6NFX1](#)
Other Accession [B5MC32](#), [NP_001073942.1](#)

MFSD2B Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 388931

Other Names

Major facilitator superfamily domain-containing protein 2B, MFSD2B

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.

MFSD2B Antibody (C-term) Blocking Peptide - Protein Information

Name MFSD2B {ECO:0000303|PubMed:29045386, ECO:0000312|HGNC:HGNC:37207}

Function

Lipid transporter that specifically mediates export of sphingosine-1-phosphate in red blood cells and platelets (PubMed:29045386). Sphingosine-1-phosphate is a signaling sphingolipid and its export from red blood cells into the plasma is required for red blood cell morphology (By similarity). Sphingosine-1-phosphate export from platelets is required for platelet aggregation and thrombus formation (By similarity). Mediates the export of different sphingosine-1-phosphate (S1P) species, including S1P(d18:0) (sphinganine 1-phosphate), S1P (d18:1) (sphing-4-enine 1-phosphate) and S1P (d18:2) (sphing-4E,14Z-dienine-1-phosphate) (Probable). Release of sphingosine-1-phosphate is facilitated by a proton gradient (By similarity). In contrast, cations, such as sodium, are not required to drive sphingosine-1-phosphate transport (Probable). In addition to export, also able to mediate S1P import (By similarity). Does not transport lysophosphatidylcholine (LPC) (Probable).

Cellular Location

Cell membrane; Multi-pass membrane protein. Note=Localizes to the cell membrane and intracellular membranes.

MFSD2B Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

MFSD2B Antibody (C-term) Blocking Peptide - Images**MFSD2B Antibody (C-term) Blocking Peptide - References**

Lowe, J.K., et al. PLoS Genet. 5 (2), E1000365 (2009) :Angers, M., et al. Biochem. J. 416(3):347-355(2008)