MFSD2A Antibody HRP Conjugated

Catalog No: #C06194H

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	MFSD2A Antibody HRP Conjugated
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Purified by Protein A.
Applications	WB IHC-P IHC-F
Species Reactivity	Hu Ms Rt
Immunogen Description	KLH conjugated synthetic peptide aa 345-395 543 derived from human MFSD2A
Conjugates	HRP
Target Name	MFSD2A
Other Names	NLS1; MFSD2; Sodium-dependent lysophosphatidylcholine symporter 1; Sodium-dependent LPC symporter 1; Major facilitator superfamily domain-containing protein 2A; MFSD2A; HMFN0656; PP9177; UNQ300 PRO341
Accession No.	Swiss-Prot#Q8NA29NCBI Gene ID84879
Uniprot	Q8NA29
GeneID	84879;
Excitation Emission	N A
Cell Localization	Intracellular
Concentration	1mg ml
Formulation	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Application Details

WB=1:500-2000 IHC-P=1:50-200 IHC-F=1:50-200

Background

Sodium-dependent lysophosphatidylcholine (LPC) symporter, which plays an essential role for blood-brain barrier formation and function. Specifically expressed in endothelium of the blood-brain barrier of micro-vessels and transports LPC into the brain. Transport of LPC is essential because it constitutes the major mechanism by which docosahexaenoic acid (DHA), an omega-3 fatty acid that is essential for normal brain growth and cognitive function, enters the brain. Transports LPC carrying long-chain fatty acids such LPC oleate and LPC palmitate with a minimum acyl chain length of 14 carbons. Does not transport docosahexaenoic acid in unesterified fatty acid. Specifically required for blood-brain barrier formation and function, probably by mediating lipid transport. Not required for central nervous system vascular morphogenesis (By similarity). Acts as a transporter for tunicamycin, an inhibitor of asparagine-linked glycosylation. In placenta, acts as a receptor for ERVFRD-1 syncytin-2 and is required for trophoblast fusion (PubMed:18988732).

Note: This product is for in vitro research use only