



MFSD2 mouse mAb

Catalog No	YP-mAb-18186
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	MFSD2A MFSD2 HMFN0656 PP9177 UNQ300/PRO341
Immunogen	Synthesized peptide derived from human MFSD2
Specificity	This antibody detects endogenous levels of MFSD2 at Human, Mouse
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	NLS1;MFSD2a;Major facilitator superfamily domain-containing protein 2A; HsMFSD2A;HMFN0656;MFSD2A MFSD2 HMFN0656 PP9177 UNQ300/ PRO341
Observed Band	55-60 kDa
Calculated Molecular Weight	543 aa, 60 kDa
Cell Pathway	Cell membrane ; Multi-pass membrane protein . Endoplasmic reticulum membrane ; Multi-pass membrane protein . Cytoplasmic punctae that may represent vesicles shuttling between the endoplasmic reticulum and the plasma membrane (PubMed:21677192). .
Tissue Specificity	In placenta, associated with trophoblast cells.
Function	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 (By similarity). 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 (By similarity). Does not transport docosahexaenoic acid in unesterified fatty acid (By similarity). Specifically required for blood-brain barrier formation and function, probably by mediating lipid transport (By similarity). Not required for central nervous system vascular morphogen

Background

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images