MFSD8 Monoclonal Antibody

Catalog No	BYmab-07321
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB
Gene Name	MFSD8 CLN7
Protein Name	Major facilitator superfamily domain-containing protein 8 (Ceroid-lipofuscinosis neuronal protein 7)
Immunogen	Synthesized peptide derived from human protein . at AA range: 351-400
Specificity	MFSD8 Monoclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, 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 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	56kD
Cell Pathway	Lysosome membrane ; Multi-pass membrane protein . Sorting to lysosomes involves tyrosine- and/or dileucine-based motifs.
Tissue Specificity	Expressed at very low levels in all tissues tested.
Function	disease:Defects in MFSD8 are the cause of neuronal ceroid lipofuscinosis type 7 (CLN7) [MIM:610951]. CNL are a clinically and genetically heterogeneous group of neurodegenerative disorders characterized by the intracellular accumulation of autofluorescent lipopigment storage material in different patterns ultrastructurally. The patterns most often observed CLN7 are mixed combinations of granular, curvilinear, fingerprint, and rectilinear profiles. The clinical course includes progressive dementia, seizures, and progressive visual failure.,function:May be a carrier that transport small solutes by using chemiosmotic ion gradients .,similarity:Belongs to the major facilitator superfamily.,tissue specificity:Expressed at very low levels in all tissues tested.,

Background	This gene encodes a ubiquitous integral membrane protein that contains a transporter domain and a major facilitator superfamily (MFS) domain. Other members of the major facilitator superfamily transport small solutes through chemiosmotic ion gradients. The substrate transported by this protein is unknown. The protein likely localizes to lysosomal membranes. Mutations in this gene are correlated with a variant form of late infantile-onset neuronal ceroid lipofuscinoses (vLINCL). [provided by RefSeq, Oct 2008],
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.

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