FATP2 mouse mAb

Catalog No	YP-mAb-18079
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	SLC27A2 ACSVL1 FACVL1 FATP2 VLACS
Immunogen	Synthesized peptide derived from human FATP2
Specificity	This antibody detects endogenous levels of FATP2 at Human, Mouse,Rat
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	SLC27A2;EC:6.2.1.3;EC:6.2.1.24;EC:6.2.1.15;EC:6.2.1.-;SLC27A2 ACSVL1 FACVL1 FATP2 VLACS;Very long-chain acyl-CoA synthetase (VLACS) (VLCS) (EC 6.2.1.-) (Fatty acid transport protein 2) (FATP-2) (Fatty-acid-coenzyme A ligase;very long-chain 1) (Long-chain-fatty-acid--CoA ligase) (EC 6.2.; very long-chain 1) (Long-chain-fatty-acid--CoA ligase) (EC 6.2.
Observed Band	70 kDa
Calculated Molecular Weight	567 aa, 65 kDa
Cell Pathway	Endoplasmic reticulum membrane ; Multi-pass membrane protein . Peroxisome membrane ; Peripheral membrane protein . Cell membrane ; Multi-pass membrane protein . Microsome .
Tissue Specificity	Expressed in liver, kidney, placenta and pancreas.
Function	Acyl CoA synthetase that activates long-chain and very long-chain fatty acids (VLCFAs) by catalyzing the formation of fatty acyl-CoA . Can also activate branched-chain fatty acids such as phytanic acid and pristanic acid . Does not activate C24 bile acids, cholate and chenodeoxycholate . In vitro, activates 3-alpha,7-alpha,12-alpha-trihydroxy-5-beta-cholestanate (THCA), the C27 precursor of cholic acid deriving from the de novo synthesis from cholesterol . Exhibits long-chain fatty acids (LCFA) transport activity and plays an important

	role in hepatic fatty acid uptake . ; [Isoform 1]: Exhibits both long-chain fatty acids (LCFA) transport activity and acyl CoA synthetase towards very long-chain fatty acids . Shows a preference for generating CoA derivatives of n-3 fatty acids, which are preferentially trafficked into phosphatidylinositol . ; [Isoform 2]: Exhibits long-chain fatty acid
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.

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