MOT1 Polyclonal Antibody

Catalog No	YP-Ab-05741
Isotype	IgG
Reactivity	Human;Rat;Mouse
Applications	WB;ELISA
Gene Name	SLC16A1 MCT1
Protein Name	Monocarboxylate transporter 1 (MCT 1) (Solute carrier family 16 member 1)
Immunogen	Synthesized peptide derived from human protein . at AA range: 240-320
Specificity	MOT1 Polyclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	55kD
Cell Pathway	Cell membrane ; Multi-pass membrane protein .
Tissue Specificity	Detected in heart and in blood lymphocytes and monocytes (at protein level). Widely expressed.
Function	disease:Defects in SLC16A1 are the cause of familial hyperinsulinemic hypoglycemia type 7 (HHF7) [MIM:610021]; also known as exercise-induced hyperinsulinemic hypoglycemia. HHF7 is a dominantly inherited hypoglycemic disorder characterized by inappropriate insulin secretion during anaerobic exercise or on pyruvate load.,disease:Defects in SLC16A1 are the cause of symptomatic deficiency in lactate transport (SDLT) [MIM:245340]; also known as erythrocyte lactate transporter defect. Deficiency of lactate transporter may result in an acidic intracellular environment created by muscle activity with consequent degeneration of muscle and release of myoglobin and creatine kinase. This defect might compromise extreme performance in otherwise healthy individuals.,function:Proton-linked monocarboxylate transporter. Catalyzes the rapid transport across the plasma membrane of many monocarboxylates su
Background	The protein encoded by this gene is a proton-linked monocarboxylate transporter that catalyzes the movement of many monocarboxylates, such as lactate and pyruvate, across the plasma membrane. Mutations in this gene are associated

	with erythrocyte lactate transporter defect. Alternatively spliced transcript variants have been found for this gene.[provided by RefSeq, Oct 2009],
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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