

Anti-MOT1 antibody



Description	Unconjugated Rabbit polyclonal to MOT1
Model	STJ190972
Host	Rabbit
Reactivity	Human, Mouse, Rat
Applications	ELISA, WB
Immunogen	Synthesized peptide derived from human MOT1 protein.
Immunogen Region	240-320aa
Gene ID	6566
Gene Symbol	SLC16A1
Dilution range	WB 1:500-2000 ELISA 1:5000-20000
Specificity	MOT1 Polyclonal Antibody detects endogenous levels of protein.
Tissue Specificity	Detected in heart and in blood lymphocytes and monocytes (at protein level). Widely expressed.
Purification	MOT1 antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	Monocarboxylate transporter 1 MCT 1 Solute carrier family 16 member 1
Molecular Weight	55 kDa
Clonality	Polyclonal

Conjugation	Unconjugated
Isotype	IgG
Formulation	Liquid form in PBS containing 50% glycerol, and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:10922OMIM:245340
Alternative Names	Monocarboxylate transporter 1 MCT 1 Solute carrier family 16 member 1
Function	Proton-coupled monocarboxylate transporter. Catalyzes the rapid transport across the plasma membrane of many monocarboxylates such as lactate, pyruvate, branched-chain oxo acids derived from leucine, valine and isoleucine, and the ketone bodies acetoacetate, beta-hydroxybutyrate and acetate. Depending on the tissue and on circumstances, mediates the import or export of lactic acid and ketone bodies. Required for normal nutrient assimilation, increase of white adipose tissue and body weight gain when on a high-fat diet. Plays a role in cellular responses to a high-fat diet by modulating the cellular levels of lactate and pyruvate, small molecules that contribute to the regulation of central metabolic pathways and insulin secretion, with concomitant effects on plasma insulin levels and blood glucose homeostasis.
Cellular Localization	Cell membrane

St John's Laboratory Ltd

F +44 (0)207 681 2580

T +44 (0)208 223 3081

W <http://www.stjohnslabs.com/>

E info@stjohnslabs.com