

Anti-Monocarboxylic Acid Transporter 1 Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

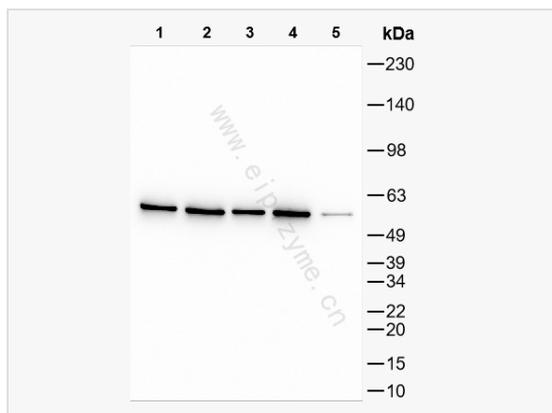
Catalog # R010499

Product Information

Application	WB, ELISA
Reactivity	Human
Dilution	WB 1:1,000~1:2,000
Host	Rabbit
Clonality	Monoclonal
Clone No.	28K48M06
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human Monocarboxylic acid transporter 1
Format	Affinity purified monoclonal antibody supplied in PBS with 0.02% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-Monocarboxylic Acid Transporter 1 Rabbit mAb [28K48M06] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Synonyms	monocarboxylate transporter 1; Malignant T cell amplified sequence 1; MCT 1; MCT1; MCTS 1; MCTS1; Oncogene MCT 1; Oncogene MCT1; SLC16A1; FLJ36745; HHF7; MCT; MGC44475; monocarboxylate transporter; Monocarboxylate transporter isoform 1; Monocarboxylic acid transporter 1; SLC16A1; SLC16A1 protein; Solute carrier family 16 (monocarboxylic acid transporters) member 1; Solute carrier family 16 member 1 (monocarboxylic acid transporter 1); Solute carrier family 16 member 1; MOT1_HUMAN.
Calculated MW	Calculated MW: 54 kDa; Observed MW: 54 kDa
Uniprot ID	P53985
Gene ID	6566
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]
Cellular Location	Cell membrane Multi-pass membrane protein Basolateral cell membrane Multi-pass membrane protein Apical cell membrane Multi-pass membrane protein Expression at the cell surface requires the ancillary proteins BSG and EMB. Binds preferentially to BSG.
Tissue Location	Widely expressed (PubMed:12115955, PubMed:15505343, PubMed:15901598). Detected in heart and in blood lymphocytes and



Western Blot - Anti-Monocarboxylic Acid Transporter 1 Rabbit mAb [28K48M06]

All lanes: R010499 at 1:1,000 dilution

Lane 1: HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates

Lane 2: HepG2 (Human hepatocarcinoma epithelial cell) whole cell lysates

Lane 3: HCT116 (Human colorectal carcinoma epithelial cell) whole cell lysates

Lane 4: MCF-7 (human breast adenocarcinoma epithelial cell) whole cell lysates

Lane 5: U87 (Human malignant glioblastoma epithelial cells) whole cell lysates

Lysates/proteins at 10 μ g per lane.

Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution

Predicted band size: 54 kDa

Observed band size: 54 kDa

Developed using the ECL technique (Cat. No. SQ201).