

Monocarboxylic Acid Transporter 1 Rabbit mAb

Catalog No: #52430

Package Size: #52430-1 50ul #52430-2 100ul

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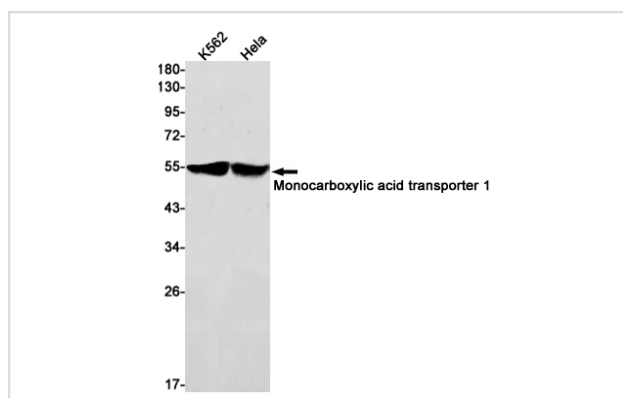
Description

Product Name	Monocarboxylic Acid Transporter 1 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	S06-7F9
Isotype	Rabbit IgG
Purification	Affinity Purified
Applications	WB
Species Reactivity	Human
Immunogen Description	A synthetic peptide of human Monocarboxylic acid transporter 1
Conjugates	Unconjugated
Modification	Unmodification
Other Names	HHF7; MCT 1; MCT; Slc16a1;
Accession No.	Swiss-Prot:P53985GenelD:6566
Uniprot	P53985
GenelD	6566
Calculated MW	Calculated MW: 54 kDa; Observed MW: 54 kDa
Concentration	0.3 mg/ml
Formulation	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

Application Details

WB: 1/1000

Images



Western blot detection of Monocarboxylic acid transporter 1 in K562, HeLa cell lysates using Monocarboxylic acid transporter 1 Rabbit mAb(1:1000 diluted). Predicted band size: 54 kDa. Observed band size: 54 kDa.

Background

Swiss-Prot Acc.P53985.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.

Note: This product is for in vitro research use only