

Immunotag™ SLC16A1 Antibody

Antibody Specification	
Catalog No.	ITA7219
Product Description	Immunotag™ SLC16A1 Antibody
Size	100 µg, 200 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	SLC16A1
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,IHC,ELISA
Recommended Dilution	WB 1:1000-1:2000 IHC 1:50-1:200
Concentration	1 mg/ml
Reactive Species	Human,Mouse,Rat
Host Species	Rabbit
Immunogen	A synthetic peptide of human SLC16A1
Specificity	SLC16A1 Antibody detects endogenous levels of total SLC16A1
Purification	The antiserum was purified by peptide affinity chromatography.
Form	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt
Gene Name	SLC16A1
Accession No.	P53985
Alternate Names	FLJ36745; HHF7; MCT 1; MCT; MGC44475; Monocarboxylate transporter 1; Monocarboxylate transporter; Monocarboxylate transporter isoform 1; Monocarboxylic acid transporter 1; MOT1_HUMAN; 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;

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Description	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.
Cell Pathway/ Category	Primary Polyclonal Antibody
Protein MW	54kDa
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.