

Monocarboxylate Transporter 4 / MCT4 (SLC16A3) Antibody

Catalogue No.:abx026782



28

Lactic acid and pyruvate transport across plasma membranes is catalyzed by members of the proton-linked monocarboxylate transporter (MCT) family, which has been designated solute carrier family-16. Each MCT appears to have slightly different substrate and inhibitor specificities and transport kinetics, which are related to the metabolic requirements of the tissues in which it is found. The MCTs, which include MCT1 (SLC16A1; MIM 600682) and MCT2 (SLC16A7; MIM 603654), are characterized by 12 predicted transmembrane domains (Price et al., 1998 [PubMed 9425115]).

Target:	Monocarboxylate Transporter 4 / MCT4 (SLC16A3)
Clonality:	Polyclonal
Reactivity:	Human, Mouse, Rat
Tested Applications:	ELISA, WB, IHC
Host:	Rabbit
Recommended dilutions:	WB: 1/1000, IHC-P: 1/500. Not tested in IHC-F. Optimal dilutions/concentrations should be determined by the end user.
Conjugation:	Unconjugated
Immunogen:	KLH-conjugated synthetic peptide between 433-462 amino acids from the C-terminal region of human SLC16A3.
lsotype:	lgG

Datasheet Version: 3.0.0 Revision date: 06 Mar 2025



Form:	Liquid
Purification:	Purified through a protein A column, followed by peptide affinity purification.
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
UniProt Primary AC:	O15427 (<u>UniProt</u> , <u>ExPASy</u>)
Gene Symbol:	SLC16A3
KEGG:	hsa:9123
String:	9606.ENSP00000463978
Molecular Weight:	Calculated MW: 49.5 kDa
Buffer:	PBS containing 0.09% sodium azide.
Specificity:	Predicted to react with Rat SLC16A3.
Note:	THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.