

Anti-SLC16A4 Antibody

Catalog # ABO11498

Product Information

Application	WB, IHC-P
Primary Accession	O15374
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Format	Lyophilized
Description	Rabbit IgG polyclonal antibody for Monocarboxylate transporter 5(SLC16A4) detection. Tested with WB, IHC-P in Human;Mouse;Rat.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Additional Information

Gene ID	9122
Other Names	Monocarboxylate transporter 5, MCT 5, Monocarboxylate transporter 4, MCT 4, Solute carrier family 16 member 4, SLC16A4, MCT4, MCT5
Calculated MW	54022
Application Details	Immunohistochemistry(Paraffin-embedded Section), 0.5-1 µg/ml, Human, Rat, Mouse, By Heat Western blot, 0.1-0.5 µg/ml, Human, Rat, Mouse
Subcellular Localization	Cell membrane; Multi-pass membrane protein.
Source	Eukaryota
Protein Name	Monocarboxylate transporter 5
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg NaN ₃ .
Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human SLC16A4(134-148aa VVTTYFKKRLALST), different from the related rat and mouse sequences by two amino acids.
Purification	Immunogen affinity purified.
Cross Reactivity	No cross reactivity with other proteins
Storage	At -20 °C for one year. After reconstitution, at 4 °C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time.Avoid repeated

freezing and thawing.

Protein Information

Name	SLC16A4 (HGNC:10925)
Synonyms	MCT4, MCT5
Function	Probable monocarboxylate transporter.
Cellular Location	Cell membrane {ECO:0000250 UniProtKB:Q6ZSM3}; Multi-pass membrane protein

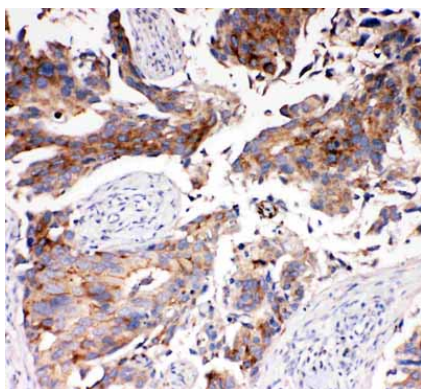
Background

Monocarboxylate transporter 5, also called Solute carrier family 16 member 4 or MCT4, is a protein that in humans is encoded by the SLC16A4 gene. This gene is mapped to 1p13.3. It acts as the proton-linked monocarboxylate transporter. This gene 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.

Images

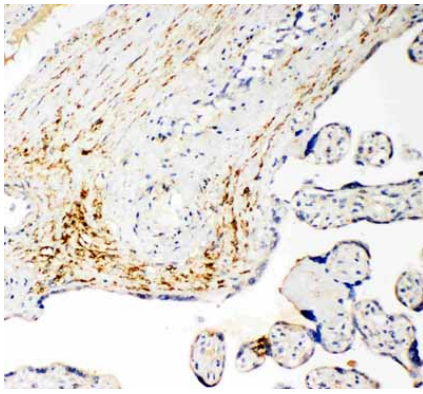


Anti-SLC16A4 antibody, ABO11498, Western blotting
Lane 1: Rat Testis Tissue Lysate
Lane 2: JURKAT Cell Lysate
Lane 3: HELA Cell Lysate
Lane 4: MCF-7 Cell Lysate



Anti-SLC16A4 antibody, ABO11498, IHC(P)
IHC(P): Human Mammary Cancer Tissue

Anti-SLC16A4 antibody, ABO11498, IHC(P)
IHC(P): Human Placenta Cancer Tissue



Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.