



Rabbit Anti-SLC16A4 antibody

SL19799R

Product Name:	SLC16A4
Chinese Name:	溶质载体家族蛋白16成员A4抗体
Alias:	SLC16A4, MCT4; MCT5; Solute carrier family 16 member 4.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Pig,Cow,Horse,Sheep,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	54kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human SLC16A4:21-100/487<Extracellular>
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	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.

Function:

Proton-linked 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 (By similarity).

Subcellular Location:

Cell membrane; Multi-pass membrane protein.

Similarity:

Belongs to the major facilitator superfamily. Monocarboxylate porter (TC 2.A.1.13) family.

SWISS:

O15374

Gene ID:

9122

Database links:

[Entrez Gene: 9122](#) Human

[Entrez Gene: 229699](#) Mouse

[Entrez Gene: 295356](#) Rat

[Omim: 603878](#) Human

[SwissProt: O15374](#) Human

[SwissProt: Q8R0M8](#) Mouse

[Unigene: 351306](#) Human

[Unigene: 38384](#) Mouse

[Unigene: 72489](#) Rat

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.