

**MCT4 Polyclonal Antibody**  
Catalog # AP70868**Specification**

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**MCT4 Polyclonal Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">O15427</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal

**MCT4 Polyclonal Antibody - Additional Information****Gene ID** 9123**Other Names**

SLC16A3; MCT4; Monocarboxylate transporter 4; MCT 4; Solute carrier family 16 member 3

**Dilution**

WB~~Western Blot: 1/500 - 1/2000. ELISA: 1/40000. Not yet tested in other applications.

**Format**

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

**Storage Conditions**

-20°C

**MCT4 Polyclonal Antibody - Protein Information****Name** SLC16A3**Synonyms** MCT3 {ECO:0000303|PubMed:9425115}, MCT4**Function**

Proton-dependent transporter of monocarboxylates such as L- lactate and pyruvate (PubMed:<a href="http://www.uniprot.org/citations/11101640" target="\_blank">11101640</a>, PubMed:<a href="http://www.uniprot.org/citations/23935841" target="\_blank">23935841</a>, PubMed:<a href="http://www.uniprot.org/citations/31719150" target="\_blank">31719150</a>). Plays a predominant role in L-lactate efflux from highly glycolytic cells (By similarity).

**Cellular Location**

Cell membrane; Multi-pass membrane protein. Basolateral cell membrane; Multi-pass membrane protein. Note=Plasma membrane localization is dependent upon the BSG/MCT4 interaction (PubMed:10921872). Basolateral sorting signals (BLSS) in C-terminal cytoplasmic tail ensure its basolateral expression in polarised epithelial cells (PubMed:21199217)

**Tissue Location**

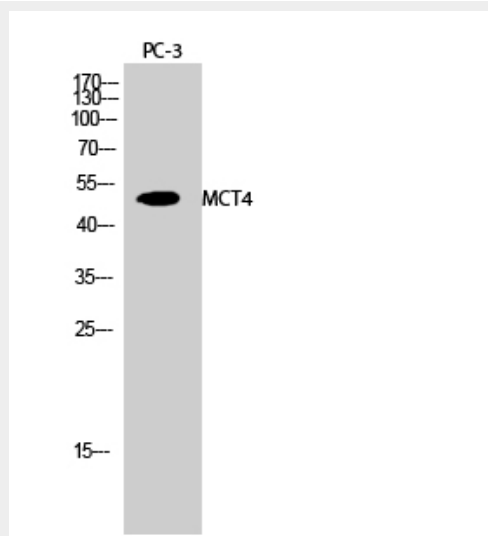
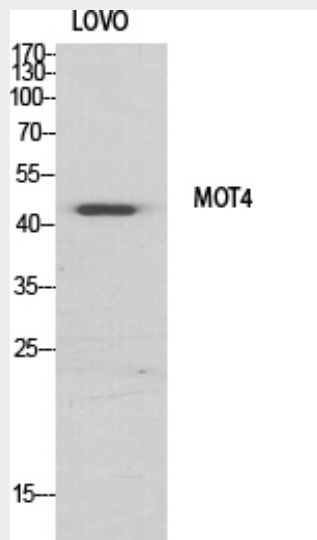
Highly expressed in skeletal muscle.

## MCT4 Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## MCT4 Polyclonal Antibody - Images



## MCT4 Polyclonal Antibody - Background

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).