

**Anti-MCT4 Antibody**  
Rabbit polyclonal antibody to MCT4  
Catalog # AP60395

## Specification

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### Anti-MCT4 Antibody - Product Information

Application	WB
Primary Accession	<a href="#">O15427</a>
Other Accession	<a href="#">P57787</a>
Reactivity	Human, Mouse, Rat, Pig
Host	Rabbit
Clonality	Polyclonal
Calculated MW	49469

### Anti-MCT4 Antibody - Additional Information

**Gene ID** 9123

#### Other Names

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

#### Target/Specificity

Recognizes endogenous levels of MCT4 protein.

#### Dilution

WB~~WB (1/500 - 1/1000)

#### Format

Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

#### Storage

Store at -20 °C. Stable for 12 months from date of receipt

### Anti-MCT4 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

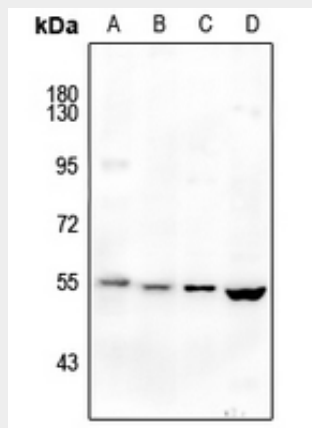
Highly expressed in skeletal muscle.

#### Anti-MCT4 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](#)

#### Anti-MCT4 Antibody - Images



Western blot analysis of MCT4 expression in CT26 (A), C6 (B), mouse muscle (C), rat brain (D) whole cell lysates.

#### Anti-MCT4 Antibody - Background

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human MCT4. The exact sequence is proprietary.