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MCT4 Polyclonal Antibody
Catalog # AP70868

Specification

MCT4 Polyclonal Antibody - Product Information

Application	**WB**
Primary Accession	O15427
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℃

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:11101640, PubMed:23935841, PubMed:31719150). 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.

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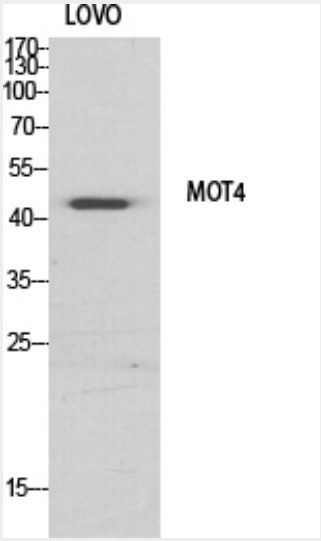
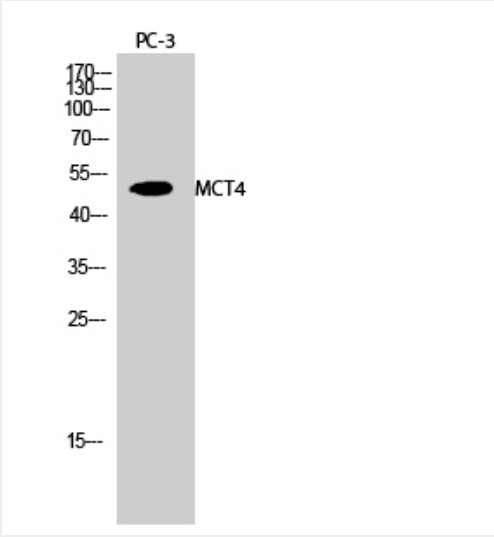
MCT4 Polyclonal Antibody - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- 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).