Product Name: MCT12 Rabbit Polyclonal Antibody
Catalog #: APRab13739
For research use only.

Summary

Description	Rabbit polyclonal Antibody
Host	Rabbit
Application	WB,IHC,ICC/IF,ELISA
Reactivity	Human,Mouse
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:10000-1:20000
Molecular Weight	53kDa

Antigen Information

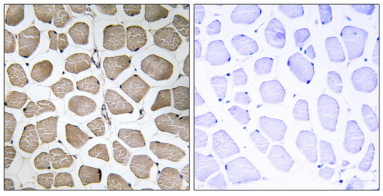
Gene Name	SLC16A12
Alternative Names	SLC16A12; MCT12; Monocarboxylate transporter 12; MCT 12; Solute carrier family 16 member 12
Gene ID	387700.0
SwissProt ID	Q6ZSM3
Immunogen	The antiserum was produced against synthesized peptide derived from human MOT12. AA range:115-164

Background

This gene encodes a transmembrane transporter that likely plays a role in monocarboxylic acid transport. A mutation in this gene has been associated with juvenile cataracts with microcornea and renal glucosuria. [provided by RefSeq, Mar 2010],disease:Defects in SLC16A12 are a cause of cataract juvenile with microcornea and glucosuria (CJMG) [MIM:612018]. Renal glucosuria is defined by elevated glucose level in the urine without hyperglycemia and without evidence of morphological renal anomalies.,function:Proton-linked monocarboxylate transporter. Catalyzes the rapid transport across the plasma membrane of many monocarboxylates.,similarity:Belongs to the major facilitator superfamily. Monocarboxylate porter (TC 2.A.1.13) family.,tissue specificity:Most highly expressed in kidney, followed by retina, lung, and testis. Very weakly expressed in brain and liver. Also detected in lens.,

Research Area

Image Data



Immunohistochemistry analysis of paraffin-embedded human skeletal muscle tissue, using MOT12 Antibody. The picture on the right is blocked with the synthesized peptide.