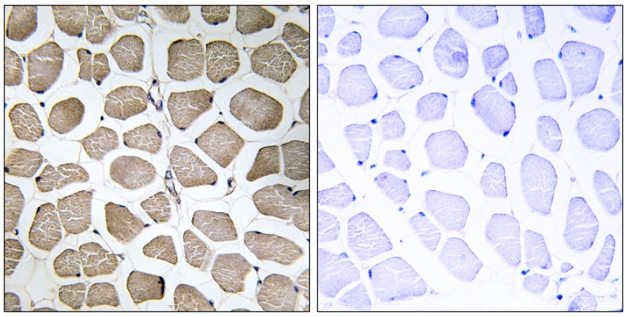
MCT12 Polyclonal Antibody

Catalog No	YP-Ab-13407
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB;IHC;IF;ELISA
Gene Name	SLC16A12
Protein Name	Monocarboxylate transporter 12
Immunogen	The antiserum was produced against synthesized peptide derived from human MOT12. AA range:115-164
Specificity	MCT12 Polyclonal Antibody detects endogenous levels of MCT12 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB: 1/500 - 1/2000. IHC: 1/100 - 1/300. ELISA: 1/20000.. IF 1:50-200
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	SLC16A12; MCT12; Monocarboxylate transporter 12; MCT 12; Solute carrier family 16 member 12
Observed Band	53kD
Cell Pathway	Cell membrane ; Multi-pass membrane protein .
Tissue Specificity	Most highly expressed in kidney, followed by retina, lung, heart and testis. Very weakly expressed in brain and liver. Also detected in lens.
Function	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.,
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],

matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



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