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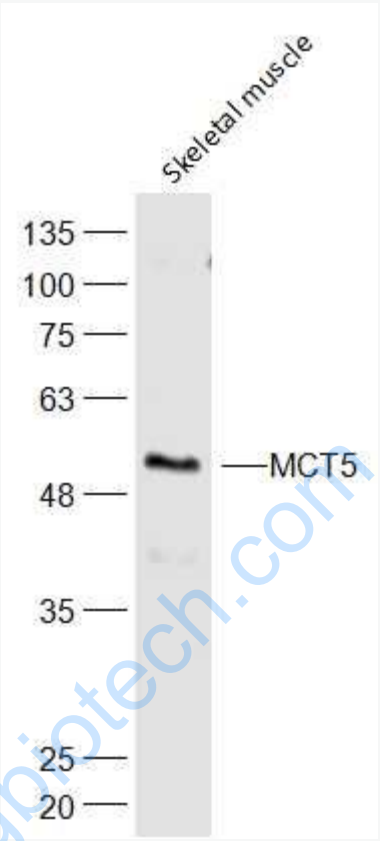
Rabbit Anti-MCT5 antibody

SL18736R

Product Name:	MCT5
Chinese Name:	单羧酸Transporter5抗体
Alias:	MCT 5; MCT 6; MCT6; Monocarboxylate transporter 5; Monocarboxylate transporter 6; Monocarboxylic acid transporter 5; Monocarboxylic acid transporter 6; MOT6_HUMAN; SLC16A5; Solute carrier family 16 (monocarboxylic acid transporters) member 5; Solute carrier family 16 member 5.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Pig,Cow,Horse,Rabbit,Sheep,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500（Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	55kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human MCT5:1-100/487<Extracellular>
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	This gene encodes a member of the monocarboxylate transporter family and the major facilitator superfamily. The encoded protein is localized to the cell membrane and acts as a proton-linked transporter of bumetanide. Transport by the encoded protein is

	inhibited by four loop diuretics, nateglinide, thiazides, probenecid, and glibenclamide. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Nov 2012] **Function:** 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. **Subcellular Location:** Cell membrane. **Tissue Specificity:** Highly expressed in kidney. **Similarity:** Belongs to the major facilitator superfamily. Monocarboxylate porter (TC 2.A.1.13) family. **SWISS:** O15374 **Gene ID:** 9121 **Database links:** Entrez Gene: 9121 Human Omim: 603879 Human SwissProt: O15374 Human SwissProt: O15375 Human Unigene: 592095 Human **Important Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Picture:	 Sample: Skeletal muscle(Mouse) Cell Lysate at 40 ug Primary: Anti-MCT5 (SL18736R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 55kD Observed band size: 55 kD