

Rabbit SLC16A3 Polyclonal Antibody | anti-SLC16A3 antibody

SLC16A3 Antibody (C-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA285245	Rabbit	Human (Predicted Reactivity: Mouse, Rat)	Immunohistochemistry, ELISA, Western Blot

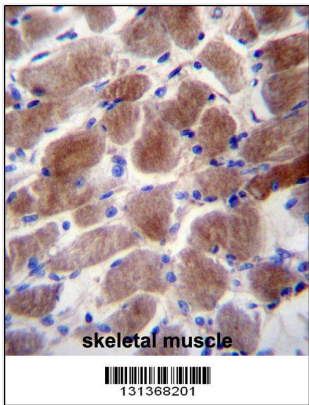
PRODUCT SYNONYMS

SLC16A3; Polyclonal Antibody; SLC16A3 Antibody (C-term); Monocarboxylate transporter 4; MCT 4; Solute carrier family 16 member 3; MCT4; anti-SLC16A3 antibody

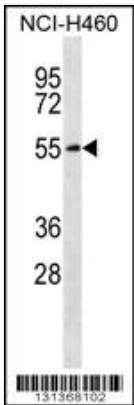
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Mouse, Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This SLC16A3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 433-462 amino acids from the C-terminal region of human SLC16A3.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.4 (varies by lot)
Sequence Positions	433-462
Sequence Length	465
Applicable Applications for anti-SLC16A3 antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IHC (Immunohiostchemistry)
SLC16A3 Antibody (C-term) immunohistochemistry analysis in formalin fixed and paraffin embedded human skeletal muscle followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of SLC16A3 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
SLC16A3 Antibody (C-term) western blot analysis in NCI-H460 cell line lysates (35ug/lane).This demonstrates the SLC16A3 antibody detected the SLC16A3 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-SLC16A3 antibody	Lactic acid and pyruvate transport across plasma membranes is catalyzed by members of the proton-linked monocarboxylate transporter (MCT) family, which has been designated solute carrier family-16. Each MCT appears to have slightly different substrate and inhibitor specificities and transport kinetics, which are related to the metabolic requirements of the tissues in which it is found. The MCTs, which include MCT1 (SLC16A1; MIM 600682) and MCT2 (SLC16A7; MIM 603654), are characterized by 12 predicted transmembrane domains (Price et al., 1998 [PubMed 9425115]).
Product Categories/Family for anti-SLC16A3 antibody	Cancer; Metabolism; Signal Transduction
References	Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010) Vellonen, K.S., et al. Eur J Pharm Sci 39(4):241-247(2010) Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009) Wang, Q., et al. Drug Metab. Dispos. 35(8):1393-1399(2007) Olsen, J.V., et al. Cell 127(3):635-648(2006)

NCBI AND UNIPROT INFORMATION

NCBI GI #	109288012
NCBI GeneID	9123
NCBI Accession #	NP_001035887.1; NP_001035888.1; NP_001193879.1; NP_001193880.1; NP_001193881.1; NP_004198.1
NCBI GenBank Nucleotide #	NM_001042422.2
UniProt Accession #	O15427; Q2M1P8; B3KXG8
Molecular Weight	49469
NCBI Official Full Name	monocarboxylate transporter 4
NCBI Official Synonym Full Names	solute carrier family 16 (monocarboxylate transporter), member 3
NCBI Official Symbol	SLC16A3
NCBI Official Synonym Symbols	MCT3; MCT4; MCT 3; MCT 4; MCT-3; MCT-4

NCBI Protein Information	monocarboxylate transporter 4
UniProt Protein Name	Monocarboxylate transporter 4
UniProt Gene Name	SLC16A3
UniProt Synonym Gene Names	MCT4; MCT 4
UniProt Entry Name	MOT4_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/slc16a3-antibody-immunohistochemistry-western-blot-elisa/285245>