

Rabbit anti-Human SLC16A10 Polyclonal Antibody | anti-SLC16A10 antibody

SLC16A10 Antibody (C-term)

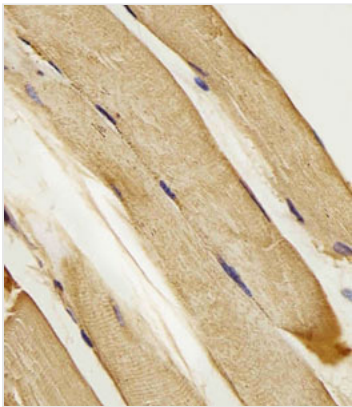
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA285612	Rabbit	Human	Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

SLC16A10; Polyclonal Antibody; SLC16A10 Antibody (C-term); Monocarboxylate transporter 10; MCT 10; Aromatic amino acid transporter 1; Solute carrier family 16 member 10; T-type amino acid transporter 1; MCT10; TAT1; anti-SLC16A10 antibody

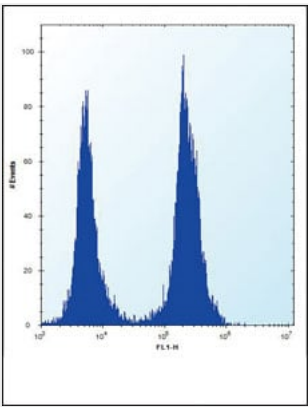
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This SLC16A10 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 301-329 amino acids from the C-terminal region of human SLC16A10.
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.
Sequence Positions	301-329
Sequence Length	515
Applicable Applications for anti-SLC16A10 antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Function	Sodium-independent transporter that mediates the uptake of aromatic acids. Can function as a net efflux pathway for aromatic amino acids in the basolateral epithelial cells (By similarity)
Cellular location	Cell membrane; Multi-pass membrane protein. Basolateral cell membrane
Tissue location	Strongly expressed in kidney and skeletal muscle and at lower level in placenta and heart
Preparation and Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.



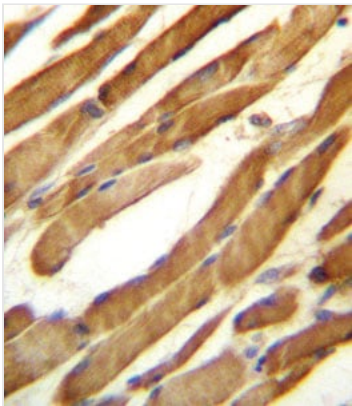
Application Data

AAA285612 staining SLC16A10 in Human skeletal muscle tissue sections by Immunohistochemistry (IHC-P -paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed with formaldehyde and blocked with 3% BSA for 0.5 hour at room temperature; antigen retrieval was by heatmediation with a citrate buffer (pH6). Samples were incubated with primary antibody (1/25) for 1 hours at 37°C. A undiluted biotinylated goat polyvalent antibody was used as the secondary antibody



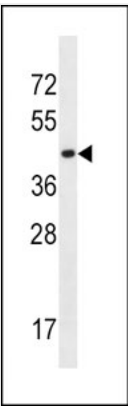
FCM/FACS (Flow Cytometry)

SLC16A10 Antibody (C-term) flow cytometric analysis of K562 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated donkey-anti-rabbit secondary antibodies were used for the analysis.



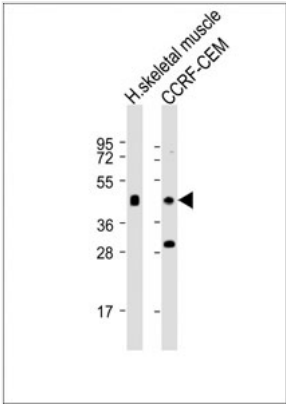
IHC (Immunohistochemistry)

SLC16A10 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 SLC16A10 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)

SLC16A10 Antibody (C-term) western blot analysis in K562 cell line lysates (35ug/lane). This demonstrates the SLC16A10 antibody detected the SLC16A10 protein (arrow).



WB (Western Blot)

All lanes : Anti-SLC16A10 Antibody (C-term) at 1:2000 dilution
Lane 1: human skeletal muscle lysates
Lane 2: CCRF-CEM whole cell lysates
Lysates/proteins at 20 ug per lane.
Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution
Predicted band size : 55 kDa
Blocking/Dilution buffer: 5% NFDM/TBST.

ADDITIONAL INFORMATION

Related Product Information for anti-SLC16A10 antibody	SLC16A10 is a member of a family of plasma membrane amino acid transporters that mediate the Na(+)-independent transport of aromatic amino acids across the plasma membrane.
Product Categories/Family for anti-SLC16A10 antibody	Signal Transduction
References	Loubiere, L.S., et al. Placenta 31(4):295-304(2010) Friesema, E.C., et al. Mol. Endocrinol. 22(6):1357-1369(2008) Broer, S. Physiol. Rev. 88(1):249-286(2008) Park, S.Y., et al. Arch. Pharm. Res. 28(4):421-432(2005) Halestrap, A.P., et al. Pflugers Arch. 447(5):619-628(2004)

NCBI AND UNIPROT INFORMATION

NCBI GI #	18699730
NCBI GeneID	117247
NCBI Accession #	NP_061063.2
NCBI GenBank Nucleotide #	NM_018593.4
UniProt Accession #	Q8TF71; Q6ZMG0; Q8WVI5; B3KWY0
NCBI Official Full Name	monocarboxylate transporter 10
NCBI Official Synonym Full Names	solute carrier family 16 (aromatic amino acid transporter), member 10
NCBI Official Symbol	SLC16A10
NCBI Official Synonym Symbols	TAT1; MCT10; PRO0813
NCBI Protein Information	monocarboxylate transporter 10
UniProt Protein Name	Monocarboxylate transporter 10
UniProt Gene Name	SLC16A10
UniProt Synonym Gene Names	MCT10; TAT1; MCT 10
UniProt Entry Name	MOT10_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://www.aaabiotech.com/polyclonal/slc16a10-antibody-flow-cytometry-immunohistochemistry-western-blot-elisa/285612>