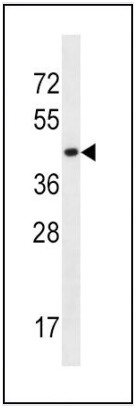
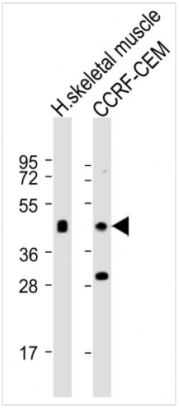
SLC16A10 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

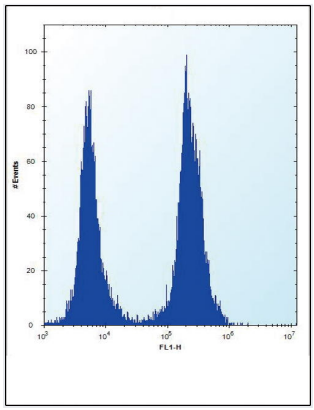
Product Name	SLC16A10, Polyclonal Antibody
Full Product Name	SLC16A10, CT (SLC16A10, MCT10, TAT1, Monocarboxylate transporter 10, Aromatic amino acid transporter 1, Solute carrier family 16 member 10, T-type amino acid transporter 1) (AP)
Product Gene Name	anti-SLC16A10 antibody
Product Synonym Names	SLC16A10; MCT10; TAT1; Monocarboxylate transporter 10; Aromatic amino acid transporter 1; Solute carrier family 16 member 10; T-type amino acid transporter 1
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Alkaline Phosphatase (AP).
Purity/Purification	Purified by Protein A and Peptide Affinity Chromatography.
Specificity	Recognizes human SLC16A10.
Preparation and Storage	Store product at 4 degree C. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	55,493 Da
OMIM	607550
3D Structure	ModBase 3D Structure for Q8TF71
Immunogen	KLH-conjugated synthetic peptide mapping to a fragment of residues within amino acids 301-329 in the C-terminal region of human SLC16A10. Cellular Localization: Cell membrane; Multi-pass membrane protein
Conjugate	AP
Note	Preservative Free
Product Categories/Family for anti-SLC16A10 antibody	Antibodies; Monocarboxylate Transporter
Applications Tested/Suitable for anti-SLC16A10 antibody	Immunohistochemistry (IHC) Paraffin, Western Blot (WB), ELISA (EIA)
Application Notes for anti-SLC16A10 antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-SLC16A10 antibody	MBS6348077 is an antibody targeting SLC16A10. Also known as SLC16A10, CT (SLC16A10, MCT10, TAT1, Monocarboxylate transporter 10, Aromatic amino acid transporter 1, Solute carrier family 16 member 10, T-type amino acid transporter 1) (AP). Reactive in Human. Host: Rabbit.
Product References and Citations for anti-SLC16A10 antibody	1. Loubiere, L.S., et al. Placenta 31(4):295-304(2010). 2. Friesema, E.C., et al. Mol. Endocrinol. 22(6):1357-1369(2008). 3. Broer, S. Physiol. Rev. 88(1):249-286(2008). 4. Park, S.Y., et al. Arch. Pharm. Res. 28(4):421-432(2005). 5. Halestrap, A.P., et al. Pflugers Arch. 447(5):619-628(2004).
Other Notes	Small volumes of anti-SLC16A10 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Western Blot (WB) of anti-SLC16A10 antibody
Western Blot analysis in K562 cell line lysates (35ug/lane) usingMBS6009410. This demonstrates that MBS6009410 detected the SLC16A10 protein (arrow).



Testing Data of anti-SLC16A10 antibody
All lanes: MBS6009410 (1:2000) Lane 1: human skeletal muscle lysates Lane 2: CCRF-CEM whole cell lysates Lysates/proteins at 20ug/lane. Secondary IgG (HRP) Goat Anti-Rabbit IgG, (H+L), at 1:10,000. Predicted band size: 55kD. Blocking/Dilution buffer: 5% NFDM/TBST.



Immunohistochemistry (IHC) of anti-SLC16A10 antibody
Immunohistochemistry analysis in formalin fixed and paraffin embedded human skeletal muscle using MBS6009410 followed by peroxidase conjugation of the secondary antibody and DAB staining.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SLC16A10. It may not necessarily be applicable to this product.

NCBI GI #	18699730
NCBI GeneID	117247
NCBI Accession #	NP_061063.2
UniProt Primary Accession #	Q8TF71
UniProt Secondary Accession #	Q6ZMG0; Q8WVI5; B3KWY0
UniProt Related Accession #	Q8TF71
GenBank Nucleotide #	NM_018593.4
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
UniProt Protein Name	Monocarboxylate transporter 10
UniProt Synonym Protein Names	Aromatic amino acid transporter 1; Solute carrier family 16 member 10; T-type amino acid transporter 1

Protein Family	Monocarboxylate transporter
UniProt Gene Name	SLC16A10
UniProt Synonym Gene Names	MCT10; TAT1; MCT 10
UniProt Entry Name	MOT10_HUMAN
NCBI Protein Information	monocarboxylate transporter 10; MCT 10; T-type amino acid transporter 1; aromatic amino acid transporter 1; solute carrier family 16 member 10; solute carrier family 16, member 10 (aromatic amino acid transporter); solute carrier family 16 (monocarboxylic
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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