SLC25A10 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	SLC25A10, Polyclonal Antibody
Full Product Name	SLC25A10 Antibody, Biotin conjugated
Product Gene Name	anti-SLC25A10 antibody
Product Synonym Names	Mitochondrial dicarboxylate carrier; Solute carrier family 25 member 10; SLC25A10; DIC
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid
Purity/Purification	>95%, Protein G purified
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze.
Matching Pairs	Unconjugated Antibody: SLC25A10 (MBS7044078) Biotin Conjugated Antibody: SLC25A10 (MBS7044327)
Molecular Weight	32,145 Da
OMIM	606794
3D Structure	ModBase 3D Structure for Q9UBX3
Species	Human
Immunogen	Recombinant human Mitochondrial dicarboxylate carrier protein
Conjugate	Biotin
Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-160282
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-SLC25A10 antibody	ELISA (EIA)
Related Product Information for anti-SLC25A10 antibody	Involved in translocation of malonate, malate and succinate in exchange for phosphate, sulfate, sulfite or thiosulfate across mitochondrial inner membrane.
Other Notes	Small volumes of anti-SLC25A10 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.
Searchable Terms for SLC25A10 purchase	MBS7044327 is an antibody targeting SLC25A10. Also known as SLC25A10 Antibody, Biotin conjugated. Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SLC25A10. It may not necessarily be applicable to this product.

NCBI GI #	401461821
NCBI GeneID	1468
NCBI Accession #	NP_001257817.1
UniProt Primary Accession #	Q9UBX3
UniProt Secondary Accession #	Q542Z3; Q96BA1; Q96IP1
UniProt Related Accession #	Q9UBX3
GenBank Nucleotide #	NM_001270888.1
NCBI Official Full Name	mitochondrial dicarboxylate carrier isoform 1
NCBI Official Synonym Full Names	solute carrier family 25 member 10
NCBI Official Symbol	SLC25A10
NCBI Official Synonym Symbols	DIC
UniProt Protein Name	Mitochondrial dicarboxylate carrier
UniProt Synonym Protein Names	Solute carrier family 25 member 10
Protein Family	Mitochondrial dicarboxylate carrier
UniProt Gene Name	SLC25A10
UniProt Synonym Gene Names	DIC
UniProt Entry Name	DIC_HUMAN
NCBI Protein Information	mitochondrial dicarboxylate carrier
NCBI Summary for SLC25A10	This gene encodes a member of a family of proteins that translocate small metabolites across the mitochondrial membrane. The encoded protein exchanges dicarboxylates, such as malate and succinate, for phosphate, sulfate, and other small molecules, thereby providing substrates for metabolic processes including the Krebs cycle and fatty acid synthesis. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Aug 2012]
UniProt Comments for SLC25A10	SLC25A10: Involved in translocation of malonate, malate and succinate in exchange for phosphate, sulfate, sulfite or thiosulfate across mitochondrial inner membrane. Belongs to the mitochondrial carrier family. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Mitochondrial; Transporter; Membrane protein, integral; Transporter, SLC family; Membrane protein, multi-pass Chromosomal Location of Human Ortholog: 17q25.3 Cellular Component: mitochondrial inner membrane; nucleus Molecular Function: dicarboxylic acid transmembrane transporter activity; protein binding; structural constituent of ribosome Biological Process: dicarboxylic acid transport; gluconeogenesis; ion transport; translation
Research Articles on SLC25A10	**1.** the SLC25A10 carrier plays an important role in regulating redox homeostasis to protect confluent cells against oxidative stress.
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