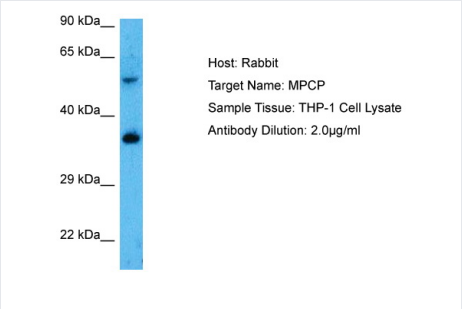
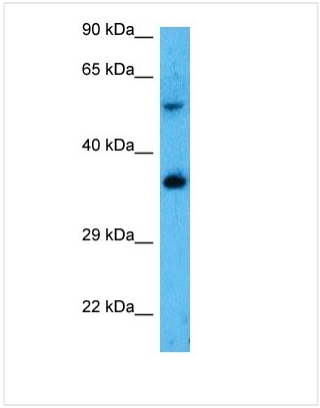
SLC25A3 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	SLC25A3, Polyclonal Antibody
Full Product Name	SLC25A3 Antibody - N-terminal region
Product Gene Name	anti-SLC25A3 antibody
Product Synonym Gene Name	PHC; PTP; OK/SW-cl.48
Immunogen Sequence	Synthetic peptide located within the following region: NPFNTPHLQL VHDGLGDLRS SSPGPTGQPR RPRNLAAAAV EEQYSCDYGS
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Purity/Purification	Affinity purified
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.
Antibody/Peptide Pairs	SLC25A3 peptide (MBS3245160) is used for blocking the activity of SLC25A3 antibody (MBS3220359)
Molecular Weight	40 kDa
OMIM	600370
3D Structure	ModBase 3D Structure for Q00325
Immunogen	The immunogen is a synthetic peptide directed towards the N terminal region of human SLC25A3
Product Categories/Family for anti-SLC25A3 antibody	Polyclonal
Applications Tested/Suitable for anti-SLC25A3 antibody	Western Blot (WB)
Related Product Information for anti-SLC25A3 antibody	The protein encoded by this gene catalyzes the transport of phosphate into the mitochondrial matrix, either by proton cotransport or in exchange for hydroxyl ions. The protein contains three related segments arranged in tandem which are related to those found in other characterized members of the mitochondrial carrier family. Both the N-terminal and C-terminal regions of this protein protrude toward the cytosol. Multiple alternatively spliced transcript variants have been isolated.
Other Notes	Small volumes of anti-SLC25A3 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 SLC25A3 purchase	MBS3220359 is an antibody targeting SLC25A3. Also known as SLC25A3 Antibody - N-terminal region. Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-SLC25A3 antibody
Host: RabbitTarget Name: SLC25A3Sample Tissue: Human THP-1 Whole CellAntibody Dilution: 2.0ug/ml



Western Blot (WB) of anti-SLC25A3 antibody
Host: RabbitTarget Name: SLC25A3Sample Tissue: Human THP-1 Whole CellAntibody Dilution: 2.0ug/ml

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SLC25A3. It may not necessarily be applicable to this product.

NCBI GI #	4505775
NCBI GeneID	5250
NCBI Accession #	NP_002626.1
UniProt Primary Accession #	Q00325
UniProt Related Accession #	Q00325
GenBank Nucleotide #	NM_002635.3
NCBI Official Full Name	phosphate carrier protein, mitochondrial isoform b
NCBI Official Synonym Full Names	solute carrier family 25 member 3
NCBI Official Symbol	SLC25A3
NCBI Official Synonym Symbols	PHC; PTP; OK/SW-cl.48
UniProt Protein Name	Phosphate carrier protein, mitochondrial
UniProt Synonym Protein Names	Phosphate transport protein; PTP; Solute carrier family 25 member 3
UniProt Gene Name	SLC25A3
UniProt Synonym Gene Names	PHC; PTP
UniProt Entry Name	MPCP_HUMAN
NCBI Protein Information	phosphate carrier protein, mitochondrial

UniProt Comments for SLC25A3	SLC25A3: Transport of phosphate groups from the cytosol to the mitochondrial matrix. Phosphate is cotransported with H(+). Defects in SLC25A3 are a cause of mitochondrial phosphate carrier deficiency (MPCD). MPCD is a fatal disorder of oxidative phosphorylation. Patients have lactic acidosis, hypertrophic cardiomyopathy and muscular hypotonia and die within the first year of life. Belongs to the mitochondrial carrier family. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Membrane protein, integral; Transporter, SLC family; Membrane protein, multi-pass; Mitochondrial; Transporter Chromosomal Location of Human Ortholog: 12q23 Cellular Component: membrane; mitochondrion; integral to plasma membrane; mitochondrial inner membrane Molecular Function: phosphate carrier activity; symporter activity; protein complex binding Biological Process: generation of precursor metabolites and energy; transport Disease: Mitochondrial Phosphate Carrier Deficiency
Research Articles on SLC25A3	**1.** SLC25A3 is a mitochondrial copper transporter.
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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Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

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