SLC25A24 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	SLC25A24, Polyclonal Antibody
Full Product Name	SLC25A24 Antibody, HRP conjugated
Product Gene Name	anti-SLC25A24 antibody
Product Synonym Names	Calcium-binding mitochondrial carrier protein SCaMC-1, mitochondrial ATP-Mg/Pi carrier protein 1, mitochondrial Ca(2+)-dependent solute carrier protein 1; Small calcium-binding mitochondrial carrier protein 1; Solute carrier family 25 member 24; SLC25A24; APC1; MCSC1; SCAMC1
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid
Purity/Purification	>95%, Protein G purified
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.
Matching Pairs	Unconjugated Antibody: SLC25A24 (MBS7106585) HRP Conjugated Antibody: SLC25A24 (MBS7106586)
Molecular Weight	51,354 Da
OMIM	AJ619987 mRNA
3D Structure	ModBase 3D Structure for Q6NUK1
Immunogen	Recombinant Human Calcium-binding mitochondrial carrier protein SCaMC-1 protein (1-197AA)
Conjugation	HRP
Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, pH 7.4
Product Categories/Family for anti-SLC25A24 antibody	Metabolism; Signal Transduction
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-SLC25A24 antibody	ELISA (EIA)
Related Product Information for anti-SLC25A24 antibody	Calcium-dependent mitochondrial solute carrier. Mediates the reversible, electroneutral exchange of Mg-ATP or Mg-ADP against phosphate ions, catalyzing the net uptake or efflux of adenine nucleotides across the mitochondrial inner membrane. Nucleotide transport is inactive when cytosolic calcium levels are low, and is activated by an increase in cytosolic calcium levels. May play a role in protecting cells against oxidative stress-induced cell death, probably by promoting the formation of calcium-phosphate precipitates in the mitochondrial matrix, and thereby buffering calcium levels in the mitochondrial matrix.
Other Notes	Small volumes of anti-SLC25A24 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 SLC25A24 purchase	MBS7106586 is an antibody targeting SLC25A24. Also known as SLC25A24 Antibody, HRP conjugated. Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SLC25A24. It may not necessarily be applicable to this product.

NCBI GI #	148491091
NCBI GeneID	29957
NCBI Accession #	NP_037518.3
UniProt Primary Accession #	Q6NUK1
UniProt Secondary Accession #	Q5T331; Q5T485; Q6PJJ9; Q705K4; Q9P129; B7ZAI9
UniProt Related Accession #	Q6NUK1
GenBank Nucleotide #	NM_013386.4
NCBI Official Full Name	calcium-binding mitochondrial carrier protein SCaMC-1 isoform 1
NCBI Official Synonym Full Names	solute carrier family 25 member 24
NCBI Official Symbol	SLC25A24
NCBI Official Synonym Symbols	APC1; SCAMC1; SCAMC-1
UniProt Protein Name	Calcium-binding mitochondrial carrier protein SCaMC-1
UniProt Synonym Protein Names	Mitochondrial ATP-Mg/Pi carrier protein 1; Mitochondrial Ca(2+)-dependent solute carrier protein 1; Small calcium-binding mitochondrial carrier protein 1; Solute carrier family 25 member 24
Protein Family	Calcium-binding mitochondrial carrier protein
UniProt Gene Name	SLC25A24
UniProt Synonym Gene Names	APC1; MCSC1; SCAMC1
NCBI Protein Information	calcium-binding mitochondrial carrier protein SCaMC-1
NCBI Summary for SLC25A24	This gene encodes a carrier protein that transports ATP-Mg exchanging it for phosphate. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, May 2012]
Research Articles on SLC25A24	**1.** The SLC25A24 mutations lead to impaired mitochondrial ATP synthesis.
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