SLC25A12 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	SLC25A12, Polyclonal Antibody
Full Product Name	SLC25A12 Antibody, Biotin conjugated
Product Gene Name	anti-SLC25A12 antibody
Product Synonym Names	Calcium-binding mitochondrial carrier protein Aralar1, mitochondrial aspartate glutamate carrier 1; Solute carrier family 25 member 12; SLC25A12; ARALAR1
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: SLC25A12 (MBS7105121) Biotin Conjugated Antibody: SLC25A12 (MBS7105124)
Molecular Weight	62,720 Da
OMIM	Y14494 mRNA
3D Structure	ModBase 3D Structure for O75746
Immunogen	Recombinant Human Calcium-binding mitochondrial carrier protein Aralar1 protein (202-317AA)
Conjugation	Biotin
Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, pH 7.4
Product Categories/Family for anti-SLC25A12 antibody	Neuroscience; Tags & Cell Markers; Metabolism; Signal transduction
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-SLC25A12 antibody	ELISA (EIA)
Related Product Information for anti-SLC25A12 antibody	Catalyzes the calcium-dependent exchange of cytoplasmic glutamate with mitochondrial aspartate across the mitochondrial inner membrane. May have a function in the urea cycle.
Other Notes	Small volumes of anti-SLC25A12 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 SLC25A12 purchase	MBS7105124 is an antibody targeting SLC25A12. Also known as SLC25A12 Antibody, Biotin conjugated. Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SLC25A12. It may not necessarily be applicable to this product.

NCBI GI #	21361103
NCBI GeneID	8604
NCBI Accession #	NP_003696.2
UniProt Primary Accession #	O75746
UniProt Secondary Accession #	Q96AM8; B3KR64
UniProt Related Accession #	O75746
GenBank Nucleotide #	NM_003705.4
NCBI Official Full Name	calcium-binding mitochondrial carrier protein Aralar1
NCBI Official Synonym Full Names	solute carrier family 25 member 12
NCBI Official Symbol	SLC25A12
NCBI Official Synonym Symbols	AGC1; ARALAR; EIEE39
UniProt Protein Name	Calcium-binding mitochondrial carrier protein Aralar1
UniProt Synonym Protein Names	Mitochondrial aspartate glutamate carrier 1; Solute carrier family 25 member 12
UniProt Gene Name	SLC25A12
UniProt Synonym Gene Names	ARALAR1
NCBI Protein Information	calcium-binding mitochondrial carrier protein Aralar1
NCBI Summary for SLC25A12	This gene encodes a calcium-binding mitochondrial carrier protein. The encoded protein localizes to the mitochondria and is involved in the exchange of aspartate for glutamate across the inner mitochondrial membrane. Polymorphisms in this gene may be associated with autism, and mutations in this gene may also be a cause of global cerebral hypomyelination. Alternatively spliced transcript variants have been observed for this gene. [provided by RefSeq, Apr 2012]
Research Articles on SLC25A12	**1.** The features of AGC1 structure and function in physiology and pathology, regulation by calcium, dependency on mitochondrial membrane potential, role in cancer cells, and tissue specificity are reviewed. AGC1 is involved in the glutamate-mediated excitotoxicity in neurons and AGC gene or protein alterations were discovered in rare human diseases. Review.
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