Rabbit anti-Human, mouse MCAR1 Polyclonal Antibody | anti-SLC25A51 antibody

MCAR1 Antibody (N-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA284134	**Rabbit**	**Human, mouse**	**ELISA, Western Blot**

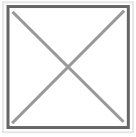
PRODUCT SYNONYMS

MCAR1; Polyclonal Antibody; MCAR1 Antibody (N-term); Solute carrier family 25 member 51; Mitochondrial carrier triple repeat protein 1; SLC25A51; MCART1; anti-SLC25A51 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, mouse
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	This MCAR1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 46-75 amino acids from the N-terminal region of human MCAR1.
Purity/Purification	This antibody is purified through a protein A column, followed by peptide affinity purification.
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.
Sequence Length	297
Applicable Applications for anti-SLC25A51 antibody	ELISA, WB (Western Blot)
Function	Mitochondrial membrance carrier protien that mediates the import of NAD(+) into mitochondria (PubMed:32906142, PubMed:33087354, PubMed:33262325). Mitochondrial NAD(+) is required for glycolysis and mitochondrial respiration (PubMed:32906142, PubMed:33087354, PubMed:33262325). Compared to SLC25A52, SLC25A51-mediated transport is essential for the import of NAD(+) in mitochondria (PubMed:32906142). The transport mechanism, uniport or antiport, its electrogenicity and substrate selectivity, remain to be elucidated.
Antigen Region	46-75
Cellular Location	Mitochondrion inner membrane; Multi-pass membrane protein.
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)
MCAR1 Antibody (N-term) western blot analysis in mouse spleen tissue lysates (35ug/lane).This demonstrates the MCAR1 antibody detected the MCAR1 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-SLC25A51 antibody	Function: Mitochondrial membrane carrier protein that mediates the import of NAD(+) into mitochondria (PubMed:32906142). Mitochondrial NAD(+) is required for glycolysis and mitochondrial respiration (PubMed:32906142). Compared to SLC25A52, SLC25A51-mediated transport is essential for the import of NAD(+) in mitochondria (PubMed:32906142).
Product Categories/Family for anti-SLC25A51 antibody	Metabolism; Signal Transduction
References	Humphray, S.J., et al. Nature 429(6990):369-374(2004)

NCBI AND UNIPROT INFORMATION

NCBI GI #	15529972
NCBI GeneID	92014
NCBI Accession #	NP_219480.1
NCBI GenBank Nucleotide #	NM_033412.3
UniProt Accession #	Q9H1U9
Molecular Weight	33672
NCBI Official Full Name	solute carrier family 25 member 51
NCBI Official Synonym Full Names	solute carrier family 25, member 51
NCBI Official Symbol	SLC25A51
NCBI Official Synonym Symbols	CG7943; MCART1
NCBI Protein Information	solute carrier family 25 member 51
UniProt Protein Name	Solute carrier family 25 member 51
UniProt Gene Name	**SLC25A51**
UniProt Synonym Gene Names	MCART1
UniProt Entry Name	S2551_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/polyclonal/mcar1-antibody-western-blot-elisa/284134