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MCAR1 Antibody (N-term) Blocking peptide
Synthetic peptide
Catalog # BP10796a

Specification

MCAR1 Antibody (N-term) Blocking peptide - Product Information

Primary Accession Q9H1U9

MCAR1 Antibody (N-term) Blocking peptide - Additional Information

Gene ID 92014

Other Names
Solute carrier family 25 member 51, Mitochondrial carrier triple repeat protein 1, SLC25A51, MCART1

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

MCAR1 Antibody (N-term) Blocking peptide - Protein Information

Name SLC25A51 {ECO:0000303|PubMed:32906142, ECO:0000312|HGNC:HGNC:23323}

Function
Mitochondrial membrane carrier protein that mediates the import of NAD(+) into mitochondria (PubMed:32906142, PubMed:33262325, PubMed:33087354). Mitochondrial NAD(+) is required for glycolysis and mitochondrial respiration (PubMed:32906142, PubMed:33262325, PubMed:33087354). 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.

Cellular Location
Mitochondrion inner membrane; Multi-pass membrane protein

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MCAR1 Antibody (N-term) Blocking peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Blocking Peptides

MCAR1 Antibody (N-term) Blocking peptide - Images

MCAR1 Antibody (N-term) Blocking peptide - References

Humphray, S.J., et al. Nature 429(6990):369-374(2004)