

MCAR1 Antibody (N-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP10796a**Specification**

MCAR1 Antibody (N-term) - Product Information

Application	WB,E
Primary Accession	O9H1U9
Other Accession	NP_219480.1
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	33672
Antigen Region	46-75

MCAR1 Antibody (N-term) - Additional Information**Gene ID** 92014**Other Names**

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

Target/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.

Dilution

WB~~1:1000

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

MCAR1 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

MCAR1 Antibody (N-term) - 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:[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.

Cellular Location

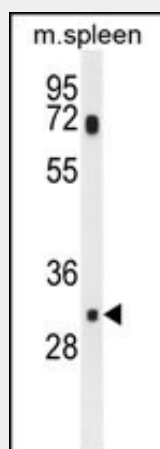
Mitochondrion inner membrane; Multi-pass membrane protein

MCAR1 Antibody (N-term) - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

MCAR1 Antibody (N-term) - Images



MCAR1 Antibody (N-term) (Cat. #AP10796a) western blot analysis in mouse spleen tissue lysates (35ug/lane). This demonstrates the MCAR1 antibody detected the MCAR1 protein (arrow).

MCAR1 Antibody (N-term) - References

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