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MCAR1 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP10796a

Product Information

Application	WB, E
Primary Accession	Q9H1U9
Other Accession	NP_219480.1
Reactivity	Human, Mouse
Predicted	Rat, Bovine, Canine, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB28662
Calculated MW	33672
Antigen Region	46-75

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 0.05% (V/V) Proclin 300. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
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.

Protein Information

Name	SLC25A51 {ECO:0000303|PubMed:32906142, ECO:0000312|HGNC:HGNC:23323}
Function	Mitochondrial membrane carrier protein that mediates the import of

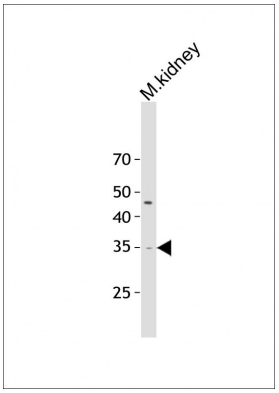
NAD(+) into mitochondria (PubMed:32906142, PubMed:33087354, PubMed:33262325). Mitochondrial NAD(+) is required for glycolysis and mitochondrial respiration (PubMed:32906142, PubMed:33087354, PubMed:33262325). Compared to SLC25A52, SLC25A51-mediated transport is essential for the import of NAD(+) in mitochondria (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

References

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

Images



All lanes: Anti-MCAR1 Antibody (N-term) at1:1000 dilution + Mouse kidney lysate Lysates/proteins at 20 µg per lane. Secondary: Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated (ASP1615) at 1/15000 dilution. Observed band size: 34 KDa Blocking/Dilution buffer: 5% NFDM/TBST.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.