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Mitoferrin 2/SLC25A28 Rabbit pAb

Catalog # AP100075

Product Information

Application	IHC-P, IHC-F, IF, E
Primary Accession	Q96A46
Other Accession	Q96A46
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	39272
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human Mitoferrin
Epitope Specificity	1-100/364
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the mitochondrial carrier (TC 2.A.29) family. Contains 3 Solcar repeats.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Mitoferrin 2, also known as MRS3/4 (mitochondrial RNA-splicing protein 3/4 homolog), mitochondrial iron transporter 2, NPD016, MRS4L or SLC25A28 (solute carrier family 25 member 28), is a 364 amino acid multi-pass membrane protein of the mitochondrial inner membrane that mediates iron uptake. Mitoferrin 2 is thought to play a role in heme synthesis of hemoproteins and iron-sulfur cluster assembly. Ubiquitously expressed, Mitoferrin 2 is found at high levels in skeletal muscle, heart, placenta, kidney, lung, liver, brain and pancreas. Mitoferrin 2 is a member of the mitochondrial carrier family and undergoes alternative splicing events to produce four isoforms. Mitoferrin 2 contains three solcar repeats and is encoded by a gene that maps to human chromosome 10q24.2.

Additional Information

Gene ID	81894
Other Names	MFRN2; MRS3/4; MRS4L; NPD016; MFRN2_HUMAN; SLC25A28; Mitochondrial RNA-splicing protein 3/4 homolog (MRS3/4 | hMRS3/4); Mitochondrial iron transporter 2; Solute carrier family 25 member 28; MFRN2_MOUSE; Mitochondrial RNA-splicing protein 3/4 homolog (MRS3/4); B2RYH0_RAT; solute carrier family 25, member 28; solute carrier family 25 (mitochondrial iron transporter), member 28; mitoferrin 2
Dilution	ELISA=1:5000-10000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When

reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	SLC25A28
Synonyms	MFRN2
Function	Mitochondrial iron transporter that mediates iron uptake. Probably required for heme synthesis of hemoproteins and Fe-S cluster assembly in non-erythroid cells.
Cellular Location	[Isoform 1]: Mitochondrion inner membrane; Multi-pass membrane protein
Tissue Location	Ubiquitous. Expressed in placenta, lung, kidney, pancreas, liver, brain, skeletal muscle and heart

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