



## Rabbit Anti-Mitoferrin 2/SLC25A28 antibody

SL7157R

<b>Product Name:</b>	Mitoferrin 2/SLC25A28
<b>Chinese Name:</b>	Mitochondrion铁Transporter2抗体
<b>Alias:</b>	MFRN2; Mitochondrial iron transporter 2; Mitochondrial RNA splicing protein 3/4; Mitoferrin 2; Mitoferrin2; Mitoferrin-2; MRS3/4; MRS4L; NPD016; Putative mitochondrial solute carrier; MFRN2 HUMAN; SLC25A28.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Dog,Pig,Cow,Sheep,
<b>Applications:</b>	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	39kDa
<b>Cellular localization:</b>	cytoplasmicMitochondrion
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human Mitoferrin 2:271-364/364
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. 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.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	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.

**Function:**

SLC25A28 is a mitochondrial iron transporter that mediates iron uptake. It is probably required for heme synthesis of hemoproteins and Fe-S cluster assembly in non-erythroid cells.

**Subcellular Location:**

Mitochondrion inner membrane; Multi pass membrane protein. Note: Isoform 1 and isoform 2 are both localized in the mitochondrion.

**Tissue Specificity:**

Ubiquitous. Expressed in placenta, lung, kidney, pancreas, liver, brain, skeletal muscle and heart.

**Similarity:**

Belongs to the mitochondrial carrier (TC 2.A.29) family.  
Contains 3 Solcar repeats.

**SWISS:**

Q96A46

**Gene ID:**

81894

**Database links:**

[Entrez Gene: 538529](#)Cow

[Entrez Gene: 486837](#)Dog

[Entrez Gene: 81894](#)Human

[Entrez Gene: 246696](#)Mouse

[Entrez Gene: 688811](#)Rat

[Omim: 609767](#)Human

[SwissProt: Q96A46](#)Human

[SwissProt: Q8R0Z5](#)Mouse

[SwissProt: B2RYH0](#)Rat

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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