

Mitoferrin 1 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP59281

Specification

Mitoferrin 1 Polyclonal Antibody - Product Information

Application WB, IHC-P, IHC-F, IF, E

Primary Accession <u>O9NYZ2</u>

Reactivity
Host
Clonality
Polyclonal
Calculated MW
Rat, Pig, Dog, Bovine
Rabbit
Polyclonal

Clonality
Calculated MW
37 KDa
Physical State
Liquid

Immunogen KLH conjugated synthetic peptide derived

laG

from human Mitoferrin 1

Epitope Specificity 201-300/338

Purity
affinity purified by Protein A

Buffer 0.01M TBS (pH7.4) with 1% BSA, 0.02%

Proclin300 and 50% Glycerol.

SUBCELLULAR LOCATION Mitochondrial inner membrane; Multi-pass

membrane protein

SIMILARITY Belongs to the mitochondrial carrier

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

Mitoferrin1, SLC25A37, belongs to the mitochondrial carrier family and contains 3 Solcar repeats. It is a mitochondrial iron transporter that specifically mediates iron uptake in developing erythroid cells and plays an essential role in heme biosynthesis.

Mitoferrin 1 Polyclonal Antibody - Additional Information

Gene ID 51312

Other Names

Mitoferrin-1, Mitochondrial iron transporter 1, Mitochondrial solute carrier protein, Solute carrier family 25 member 37, SLC25A37, MFRN, MSCP

Dilution

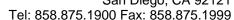
WB~~1:1000<br \><span class</pre>

="dilution_IHC-P">IHC-P~~N/A<br \><span class

="dilution IHC-F">IHC-F~~N/A<br \><span class

="dilution IF">IF \sim 1:50 \sim 200
or \>E \sim N/A

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.

Mitoferrin 1 Polyclonal Antibody - Protein Information

Name SLC25A37

Synonyms MFRN, MSCP

Function

Mitochondrial iron transporter that specifically mediates iron uptake in developing erythroid cells, thereby playing an essential role in heme biosynthesis.

Cellular Location

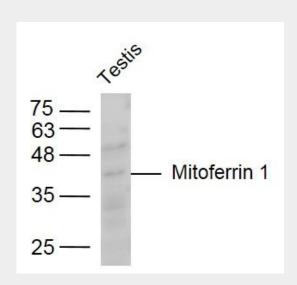
Mitochondrion inner membrane {ECO:0000250|UniProtKB:Q287T7}; Multi-pass membrane protein

Mitoferrin 1 Polyclonal Antibody - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Mitoferrin 1 Polyclonal Antibody - Images



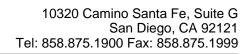
Sample:

Testis (Mouse) Lysate at 40 ug

Primary: Anti-Mitoferrin 1 (bs-9523R) at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 37 kD





Observed band size: 37 kD