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Mitoferrin 1 Rabbit pAb

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Catalog # AP59281

Product Information

Application	WB
Primary Accession	Q9NYZ2
Reactivity	Mouse
Predicted	Human, Rat, Chicken, Dog, Pig, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	37323
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human Mitoferrin 1
Epitope Specificity	201-300/338
Isotype	IgG
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.

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=1:500-2000
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

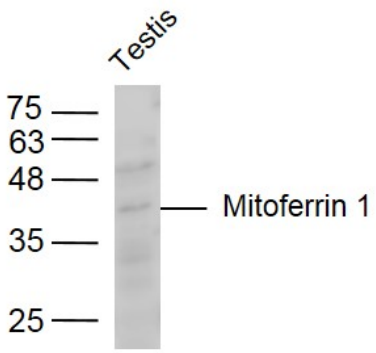
Name	SLC25A37

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

Background

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.

Images



Sample:
Testis (Mouse) Lysate at 40 ug
Primary: Anti-Mitoferrin 1 (AP59281) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 37 kD
Observed band size: 37 kD