

MFRN2 Antibody (N-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AW5588

Specification

MFRN2 Antibody (N-term) - Product Information

Application	WB, IHC-P, FC,E
Primary Accession	Q96A46
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	H=39 KDa
Isotype	Rabbit IgG
Antigen Source	HUMAN

MFRN2 Antibody (N-term) - Additional Information

Gene ID 81894

Antigen Region
36-64

Other Names

Mitoferrin-2, Mitochondrial RNA-splicing protein 3/4 homolog, MRS3/4, hMRS3/4, Mitochondrial iron transporter 2, Solute carrier family 25 member 28, SLC25A28, MFRN2

Dilution

WB~~1:2000
IHC-P~~1:50~100
FC~~1:10~50

Target/Specificity

This MFRN2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 36-64 amino acids from the N-terminal region of human MFRN2.

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

MFRN2 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

MFRN2 Antibody (N-term) - 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

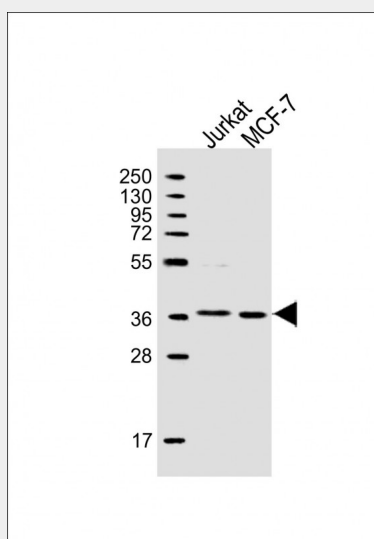
Tissue Location

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

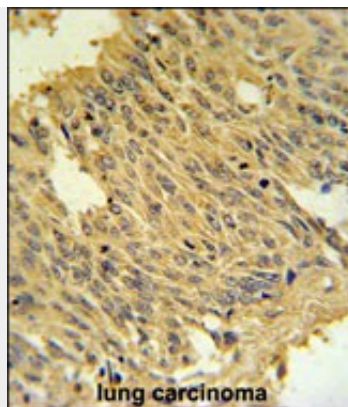
MFRN2 Antibody (N-term) - Protocols

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

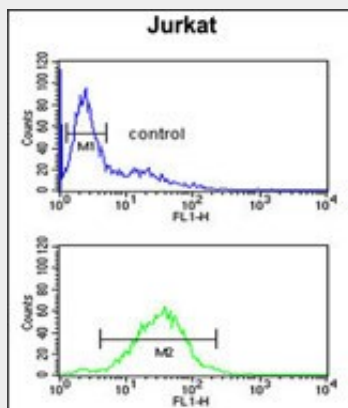
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

MFRN2 Antibody (N-term) - Images

All lanes : Anti-MFRN2 Antibody (N-term) at 1:2000 dilution Lane 1: Jurkat whole cell lysate Lane 2: MCF-7 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 39 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



MFRN2 Antibody (N-term) (Cat. #AW5588) IHC analysis in formalin fixed and paraffin embedded human lung carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the MFRN2 Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.



MFRN2 Antibody (N-term) (Cat. #AW5588) flow cytometric analysis of Jurkat cells (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

MFRN2 Antibody (N-term) - Background

MFRN2 is 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. The iron delivered into the mitochondria, presumably as Fe(2+), is then probably delivered to ferrochelatase to catalyze Fe(2+) incorporation into protoporphyrin IX to make heme.

MFRN2 Antibody (N-term) - References

Grupe, A., et al. Am. J. Hum. Genet. 78(1):78-88(2006)
Deloukas, P., et al. Nature 429(6990):375-381(2004)
Wistow, G., et al. Mol. Vis. 8, 185-195 (2002)