

Rabbit anti-Human MFRN2 Polyclonal Antibody | anti-SLC25A28 antibody

MFRN2 Antibody (N-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA288765	Rabbit	Human	Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

MFRN2; Polyclonal Antibody; MFRN2 Antibody (N-term); Mitoferrin-2; Mitochondrial RNA-splicing protein 3/4 homolog; MRS3/4; hMRS3/4; Mitochondrial iron transporter 2; Solute carrier family 25 member 28; SLC25A28; anti-SLC25A28 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
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.
Purity/Purification	This antibody is purified through a protein A column, followed by peptide affinity purification.
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.
Sequence Positions	36-64
Sequence Length	364
Applicable Applications for anti-SLC25A28 antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Cellular Location	Mitochondrion inner membrane; Multi-pass membrane protein. Note=Isoform 1 and isoform 2 are both localized in the mitochondrion
Tissue Location	Ubiquitous. Expressed in placenta, lung, kidney, pancreas, liver, brain, skeletal muscle and heart
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



FCM/FACS (Flow Cytometry)

MFRN2 Antibody (N-term) 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.

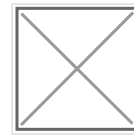


IHC (Immunohistochemistry)

MFRN2 Antibody (N-term) 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.

**WB (Western Blot)**

Anti-MFRN2 Antibody (N-term) at 1:2000 dilution + MCF-7 whole cell lysates Lysates/proteins at 20 ug 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.

**WB (Western Blot)**

Western blot analysis of MFRN2 Antibody (N-term) in Jurkat cell line lysates (35ug/lane).MFRN2 (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-SLC25A28 antibody	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.
Product Categories/Family for anti-SLC25A28 antibody	Signal Transduction
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)

NCBI AND UNIPROT INFORMATION

NCBI GI #	149274643
NCBI GeneID	81894
NCBI Accession #	NP_112489.3
NCBI GenBank Nucleotide #	NM_031212.3
UniProt Accession #	Q96A46 ; Q4VBZ0 ; Q5T777 ; Q86VX5 ; Q969G8 ; Q9H2J3
Molecular Weight	Calculated MW: 39272
NCBI Official Full Name	mitoferrin-2
NCBI Official Synonym Full Names	solute carrier family 25 (mitochondrial iron transporter), member 28
NCBI Official Symbol	SLC25A28
NCBI Official Synonym Symbols	MFRN2; MRS4L; MRS3/4; NPD016
NCBI Protein Information	mitoferrin-2
UniProt Protein Name	Mitoferrin-2
UniProt Gene Name	SLC25A28
UniProt Synonym Gene Names	MFRN2; MRS3/4; hMRS3/4
UniProt Entry Name	MFRN2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/mfrn2-antibody-flow-cytometry-immunohistochemistry-western-blot-elisa/288765>