10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

SLC25A37 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP9715b

Product Information

Application	WB, IHC-P, IF, FC, E
Primary Accession	Q9NYZ2
Reactivity	Human, Rat, Mouse
Predicted	Bovine, Canine
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	37323
Antigen Region	309-338

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
Target/Specificity	This SLC25A37 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 309-338 amino acids from the C-terminal region of human SLC25A37.
Dilution	WB~~1:1000 IHC-P~~1:100~500 IF~~1:25 FC~~1:10~50 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
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	SLC25A37 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

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

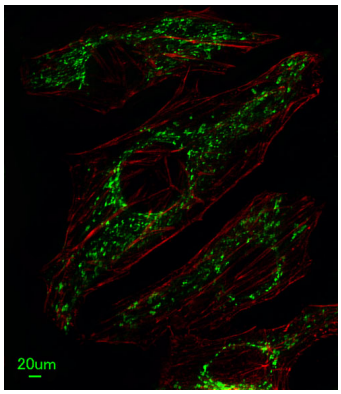
Background

SLC25A37 belongs to the SLC25 family of mitochondrial carrier proteins (Haitina et al., 2006 [PubMed 16949250]).[supplied by OMIM].

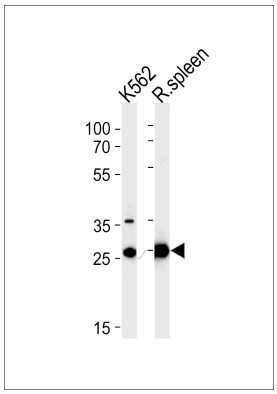
References

Kaneko, K., et al. FEBS J. 276(5):1370-1382(2009) Haitina, T., et al. Genomics 88(6):779-790(2006) Shaw, G.C., et al. Nature 440(7080):96-100(2006) Li, Q.Z., et al. Mamm. Genome 12(11):830-836(2001)

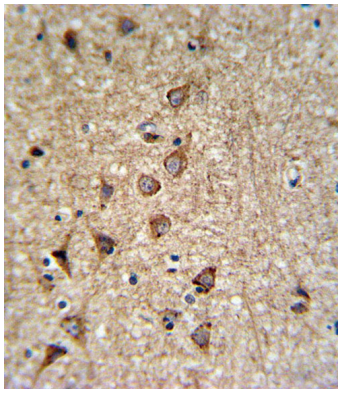
Images



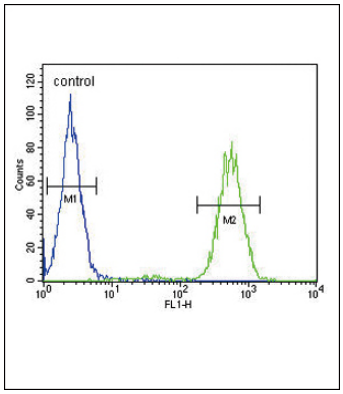
Immunofluorescent analysis of Hela cells, using SLC25A37 Antibody (C-term) (Cat. #AP9715b). AP9715b was diluted at 1:25 dilution. Alexa Fluor 488-conjugated goat anti-rabbit lgG at 1:400 dilution was used as the secondary antibody (green). Cytoplasmic actin was counterstained with Dylight Fluor® 554 (red) conjugated Phalloidin (red).



SLC25A37 Antibody (C-term) (Cat. #AP9715b) western blot analysis in K562 cell line and rat spleen tissue lysates (35ug/lane).This demonstrates the SLC25A37 antibody detected the SLC25A37 protein (arrow).



SLC25A37 Antibody (C-term) (Cat. #AP9715b) IHC analysis in formalin fixed and paraffin embedded brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the SLC25A37 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



SLC25A37 Antibody (C-term) (Cat. #AP9715b) flow cytometric analysis of MDA-MB231 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.