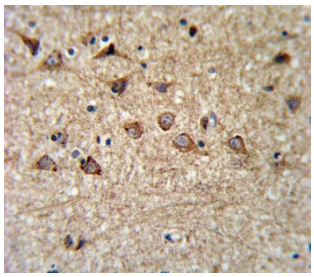
Mitoferrin-1 Antibody / SLC25A37 / MFRN (F55039)

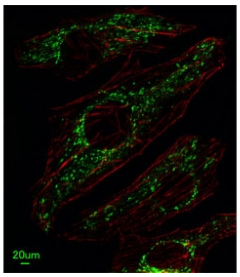
Catalog No.	Formulation	Size
F55039-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F55039-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

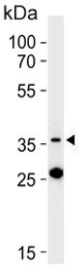
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity purified
UniProt	Q9NYZ2
Localization	Cytoplasmic
Applications	Immunofluorescence: 1:25 Western blot: 1:500-1:1000 Flow cytometry: 1:10-1:50 (1x10e6 cells) Immunohistochemistry (FFPE): 1:10-1:50
Limitations	This Mitoferrin-1 antibody is available for research use only.



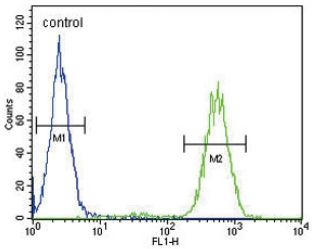
IHC testing of FFPE human brain tissue with Mitoferrin-1 antibody. HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.



Immunofluorescent staining of human HeLa cells with Mitoferrin-1 antibody (green) and anti-Actin (red).



Western blot testing of human K562 cell lysate with Mitoferrin-1 antibody. Predicted molecular weight ~37 kDa.



Flow cytometry testing of human MDA-MB-231 cells with Mitoferrin-1 antibody; Blue=isotype control, Green= Mitoferrin-1 antibody.

Description

Mitochondrial iron transporter that specifically mediates iron uptake in developing erythroid cells, thereby playing an essential role in heme biosynthesis. The iron delivered into the mitochondria, presumably as Fe2+, is then probably delivered to ferrochelatase to catalyze Fe2+ incorporation into protoprophyrin IX to make heme (By similarity). [UniProt]

Application Notes

The stated application concentrations are suggested starting points. Titration of the Mitoferrin-1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 309-338 from the human protein was used as the immunogen for the Mitoferrin-1 antibody.

Storage

Aliquot the Mitoferrin-1 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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