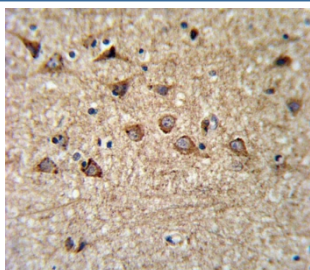


## Mitoferrin-1 Antibody / SLC25A37 / MFRN (F55039)

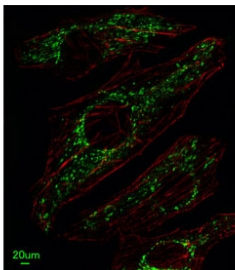
Catalog No.	Formulation	Size
F55039-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F55039-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

[Bulk quote request](#)

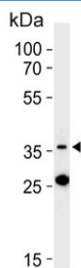
<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Purified
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit Ig
<b>Purity</b>	Antigen affinity purified
<b>UniProt</b>	Q9NYZ2
<b>Localization</b>	Cytoplasmic
<b>Applications</b>	Immunofluorescence : 1:25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



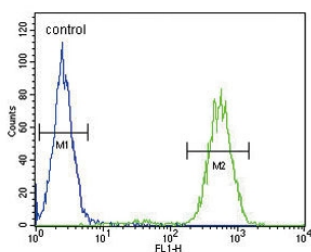
IHC testing of FFPE human brain tissue with Mitoferrin-1 antibody. HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.



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 Fe<sup>2+</sup>, is then probably delivered to ferrochelatase to catalyze Fe<sup>2+</sup> incorporation into protoporphyrin 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 -20°C or colder. Avoid repeated freeze-thaw cycles.

