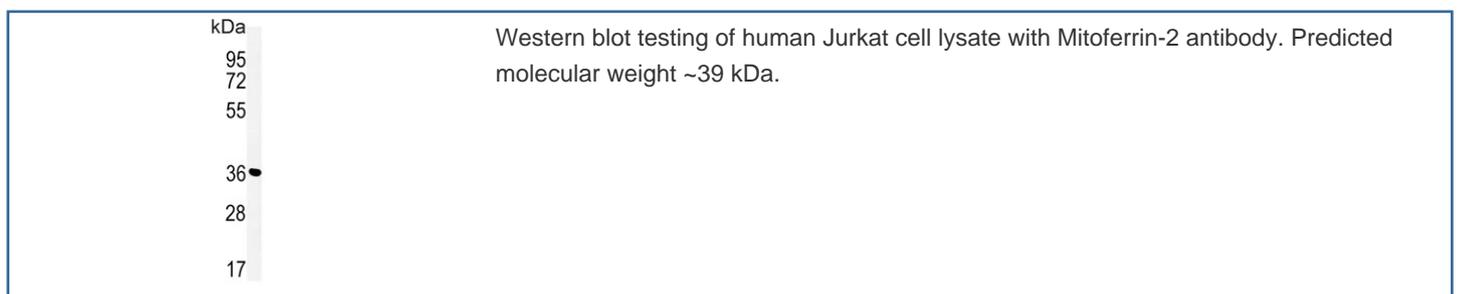


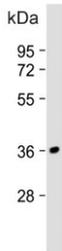
Mitoferrin-2 Antibody / MFRN2 / SLC25A28 (F54817)

Catalog No.	Formulation	Size
F54817-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F54817-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

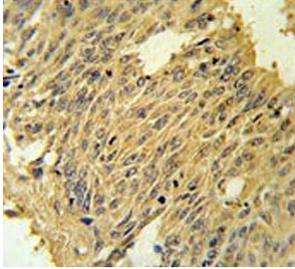
[Bulk quote request](#)

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity purified
UniProt	Q96A46
Localization	Cytoplasmic
Applications	Flow Cytometry : 1:10-1:50 (1x10e6 cells) Immunohistochemistry (FFPE) : 1:50-1:100 Western Blot : 1:500-1:1000
Limitations	This Mitoferrin-2 antibody is available for research use only.

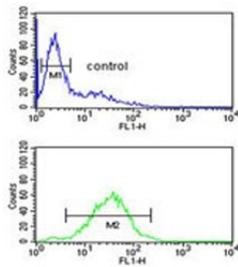




Western blot testing of human MCF7 cell lysate with Mitoferrin-2 antibody. Predicted molecular weight ~39 kDa.



IHC testing of FFPE human lung carcinoma tissue with Mitoferrin-2 antibody. HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.



Flow cytometry testing of human Jurkat cells with Mitoferrin-2 antibody; Blue=isotype control, Green= Mitoferrin-2 antibody.

Description

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.

Application Notes

The stated application concentrations are suggested starting points. Titration of the Mitoferrin-2 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 36-64 from the human protein was used as the immunogen for the Mitoferrin-2 antibody.

Storage

Aliquot the Mitoferrin-2 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

