

For Research Use Only

MFF Recombinant monoclonal antibody

Catalog Number: 87972-1-RR



Basic Information

Catalog Number:

87972-1-RR

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG9990

GenBank Accession Number:

BC000797

GeneID (NCBI):

56947

UNIPROT ID:

Q9GZY8

Full Name:

mitochondrial fission factor

Calculated MW:

38 kDa

Observed MW:

27-38 kDa

Purification Method:

Protein A purification

CloneNo.:

260043G2

Recommended Dilutions:

WB: 1:5000-1:50000

IF/ICC: 1:250-1:1000

Applications

Tested Applications:

WB, IF/ICC, ELISA

Species Specificity:

human, mouse, rat

Positive Controls:

WB : HepG2 cells, L02 cells, C2C12 cells, H9C2 cells, mouse heart tissue

IF/ICC : HepG2 cells,

Background Information

Mitochondrial Fission Factor (MFF) is a critical regulator of organelle division, specifically playing a central role in the fission of mitochondria and peroxisomes. DRP1, MiD, and MFF form a trimeric complex in which MiD proteins facilitate the MFF-DRP1 interaction. Moreover, MiD51 can inhibit MFF-induced activation of DRP1 GTPase activity. Multiple isoforms of MFF exist due to the alternative splicing. This antibody recognizes the endogenous MFF protein around 26-29 kDa and 35-38 kDa.(PMID: 39365854, PMID: 37291333)

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

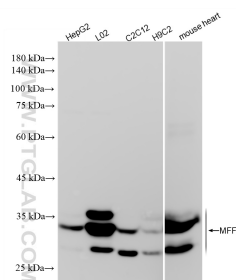
T: 4006900926

E: Proteintech-CN@ptglab.com

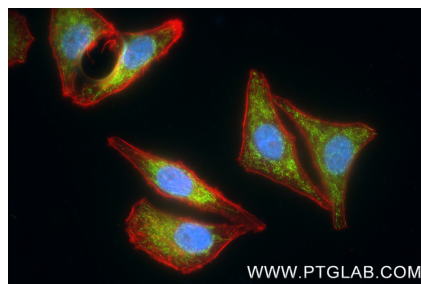
W: ptgcn.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 87972-1-RR (MFF antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using MFF antibody (87972-1-RR, Clone: 260043G2) at dilution of 1:500 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).