

For Research Use Only

MFF Recombinant monoclonal antibody, PBS Only

Catalog Number: 87972-1-PBS



Basic Information

Catalog Number:

87972-1-PBS

Size:

100ug, Concentration: 1 mg/ml by
Nanodrop;

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

Applications

Tested Applications:

WB, IF/ICC, Indirect ELISA

Species Specificity:

human, mouse, rat

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 -80°C.

Storage Buffer:

PBS only, pH7.3

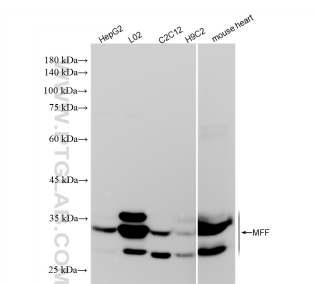
For technical support and original validation data for this product please contact:

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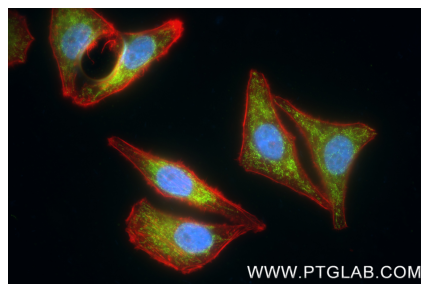
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W: ptglab.com

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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. This data was developed using the same antibody clone with 87972-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 87972-1-PBS in a different storage buffer formulation.