

For Research Use Only

MFF Polyclonal antibody

Catalog Number: 17090-1-AP

Featured Product

201 Publications



Basic Information

Catalog Number:

17090-1-AP

Size:

150ul, Concentration: 600 ug/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:

35-38 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB: 1:5000-1:50000

IP: 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC: 1:500-1:2000

IF/ICC: 1:50-1:500

Applications

Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

Cited Applications:

WB, IHC, IF, IP

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, rat, pig, monkey, hamster, goat, squirrel

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : mouse brain tissue, rat brain tissue, mouse heart tissue, rat heart tissue

IP : mouse brain tissue,

IHC : human stomach tissue, mouse brain tissue

IF/ICC : HepG2 cells,

Background Information

MFF (mitochondrial fission factor) is a mitochondrial outer membrane protein that is involved in mitochondrial localization of Drp1 and mitochondrial fission. 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.

Notable Publications

Author	Pubmed ID	Journal	Application
Katherine Labbé	34586346	J Cell Biol	WB
Q E Xie	34571250	Mitochondrion	WB
Feixiang Bao	30237514	Cell Death Dis	WB

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

*** 20ul sizes contain 0.1% BSA

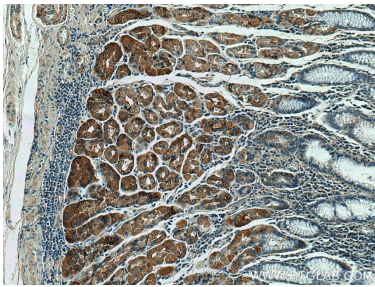
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

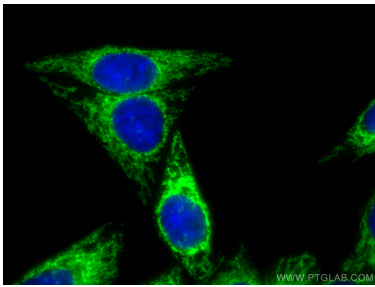
E: proteintech@ptglab.com
W: ptglab.com

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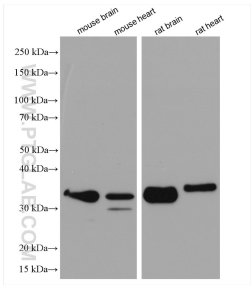
Selected Validation Data



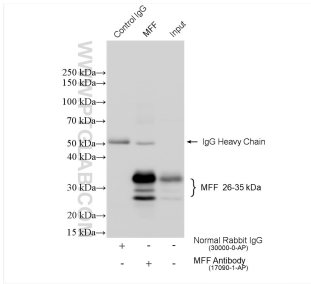
Immunohistochemical analysis of paraffin-embedded human stomach tissue slide using 17090-1-AP (MFF antibody) at dilution of 1:1000 (under 10x lens).



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using MFF antibody (17090-1-AP) at dilution of 1:200 and Coralite®488-Conjugated Goat Anti-Rabbit IgG(H+L).



Various lysates were subjected to SDS PAGE followed by western blot with 17090-1-AP (MFF antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



IP result of anti-MFF (IP:17090-1-AP, 4ug; Detection:17090-1-AP 1:30000) with mouse brain tissue lysate 1680 ug.