

# MFF Monoclonal ANTIBODY

Catalog Number: 66527-1-Ig

## Basic Information

Catalog Number:  
66527-1-Ig

Size:  
150 µg/150 µl

Source:  
Mouse

Isotype:  
IgG1

Purification Method:  
Protein G purification

Immunogen Catalog Number:  
AC9990

GenBank Accession Number:  
BC000797

GeneID (NCBI):  
56947

Full Name:  
mitochondrial fission factor

Calculated MW:  
38 kDa

Observed MW:  
26-29, 35-38 kDa

Recommended Dilutions:  
WB 1:2000-1:10000  
IHC 1:250-1:1000

## Applications

Tested Applications:  
IHC, WB, ELISA

Species Specificity:  
Human, pig, rat, mouse

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

Positive Controls:

WB : pig brain tissue; HepG2 cells, L02 cells

IHC : mouse brain tissue;

## 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
--------	-----------	---------	-------------

## Storage

Storage:

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

Storage Buffer:

PBS with 0.1% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

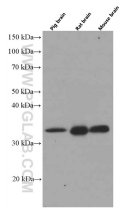
For technical support and original validation data for this product please contact:

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

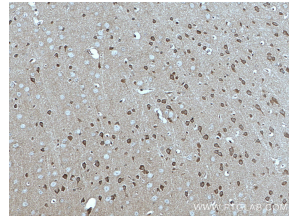
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

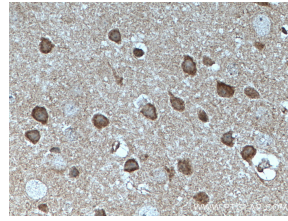
## Selected Validation Data



pig/rat/mouse brain tissues were subjected to SDS PAGE followed by western blot with 66527-1-Ig (MFF antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours



Immunohistochemistry of paraffin-embedded mouse brain tissue slide using 66527-1-Ig (MFF antibody) at dilution of 1:500 (under 10x lens) heat mediated antigen retrieved with Tris-EDTA buffer (pH9).



Immunohistochemistry of paraffin-embedded mouse brain tissue slide using 66527-1-Ig (MFF antibody) at dilution of 1:500 (under 40x lens) heat mediated antigen retrieved with Tris-EDTA buffer (pH9).