

For Research Use Only

# MFF Monoclonal antibody

Catalog Number: 66527-1-Ig 2 Publications



## Basic Information

<b>Catalog Number:</b> 66527-1-Ig	<b>GenBank Accession Number:</b> BC000797	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 150ul , Concentration: 1300 µg/ml by Nanodrop and 1000 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 56947	<b>CloneNo.:</b> 1G4B12
<b>Source:</b> Mouse	<b>Full Name:</b> mitochondrial fission factor	<b>Recommended Dilutions:</b> WB 1:2000-1:10000 IHC 1:250-1:1000 IF 1:200-1:800
<b>Isotype:</b> IgG1	<b>Calculated MW:</b> 38 kDa	
<b>Immunogen Catalog Number:</b> AG9990	<b>Observed MW:</b> 35-38 kDa	

## Applications

<b>Tested Applications:</b> IF, IHC, WB, ELISA	<b>Positive Controls:</b> WB : pig brain tissue, L02 cells, HepG2 cells, rat brain tissue, mouse brain tissue
<b>Cited Applications:</b> WB	<b>IHC :</b> mouse brain tissue,
<b>Species Specificity:</b> Human, pig, rat, mouse	<b>IF :</b> mouse brain tissue,
<b>Cited Species:</b> rat, mouse	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## 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
Liuyang Tian	37479181	J Adv Res	WB
Jing-Jing Li	36740450	Phytother Res	WB

## Storage

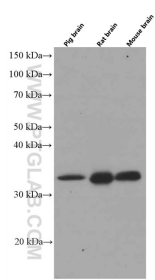
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

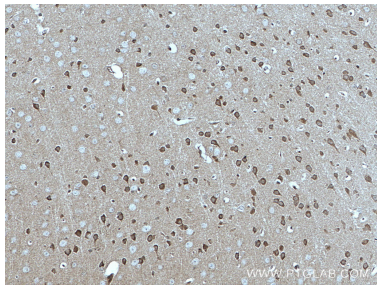
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

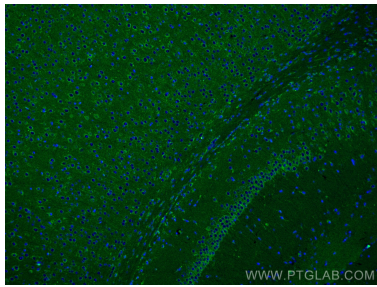
Selected Validation Data



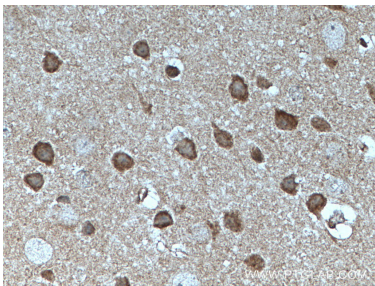
pig/rat/mouse brain tissues were subjected to SDS PAGE followed by western blot with 66527-1-Ig (MFF antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 66527-1-Ig (MFF antibody) at dilution of 1:500 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed mouse brain tissue using MFF antibody (66527-1-Ig, Clone: 1G4B12 ) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 66527-1-Ig (MFF antibody) at dilution of 1:500 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).