

For Research Use Only

# MFF Monoclonal antibody

Catalog Number: 66527-1-Ig 8 Publications



## Basic Information

Catalog Number: 66527-1-Ig	GenBank Accession Number: BC000797	Purification Method: Protein G purification
Concentration: 1300 ug/ml	GeneID (NCBI): 56947	CloneNo.: 1G4B12
Source: Mouse	UNIPROT ID: Q9GZY8	Recommended Dilutions: WB 1:2000-1:10000 IHC 1:250-1:1000 IF-P 1:200-1:800
Isotype: IgG1	Full Name: mitochondrial fission factor	
Immunogen Catalog Number: AG9990	Calculated MW: 38 kDa Observed MW: 35-38 kDa	

## Applications

Tested Applications: WB, IHC, IF-P, ELISA	Positive Controls:
Cited Applications: WB, IHC, IF	WB : pig brain tissue, L02 cells, HepG2 cells, rat brain tissue, mouse brain tissue
Species Specificity: human, mouse, rat, pig	IHC : mouse brain tissue,
Cited Species: human, mouse, rat	IF-P : mouse brain tissue,
<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
Jiong Dang	40045370	Cell Commun Signal	WB
Tong Sun	39725939	Respir Res	IF
Tiancang Han	39644522	Theriogenology	IF

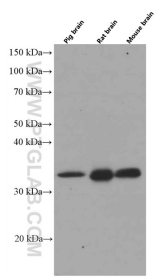
## Storage

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

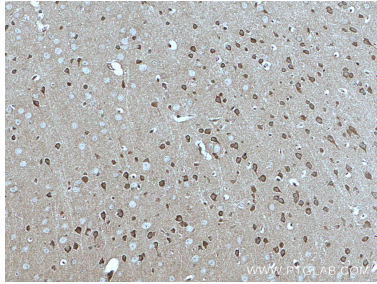
For technical support and original validation data for this product please contact:  
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

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

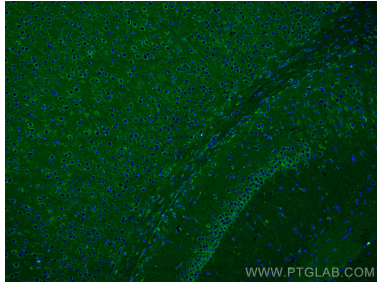
Selected Validation Data



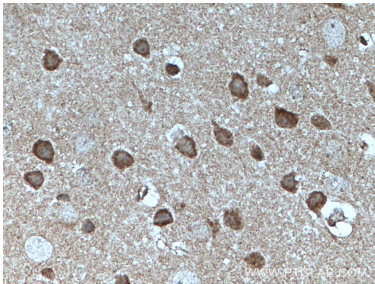
pig/rat/mouse brain tissues were subjected to SDS PAGE followed by western blot with 66527-1-Ig (MFF antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



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).