

For Research Use Only

# AIF Monoclonal antibody, PBS Only

Catalog Number: 67791-1-PBS

Featured Product



## Basic Information

### Catalog Number:

67791-1-PBS

### Size:

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

### Source:

Mouse

### Isotype:

IgG2a

### Immunogen Catalog Number:

AG12400

### GenBank Accession Number:

BC111065

### GeneID (NCBI):

9131

### UNIPROT ID:

O95831

### Full Name:

apoptosis-inducing factor, mitochondrion-associated, 1

### Calculated MW:

609 aa, 66 kDa

### Observed MW:

67 kDa, 57 kDa

### Purification Method:

Protein A purification

### CloneNo.:

8C12B2

## Applications

### Tested Applications:

WB, IHC, IF/ICC, IF-P, Indirect ELISA

### Species Specificity:

human, mouse, rat, pig, canine

## Background Information

Apoptosis-inducing factor (AIF) is one of the mitochondrial proteins to be released into the cytosol during apoptosis, and it is discovered as the first protein that regulates caspase-independent apoptosis (PMID:20494118). AIF is encoded as a 67 kDa protein that contains a mitochondrial localization signal (MLS) in the N-terminus. It is cleaved from the 62 kDa to the 57 kDa form following ischemic injury and translocated from the mitochondria to the nucleus in a calpain-dependent manner (PMID:19332058).

## Storage

### Storage:

Store at -80°C.

### Storage Buffer:

PBS Only

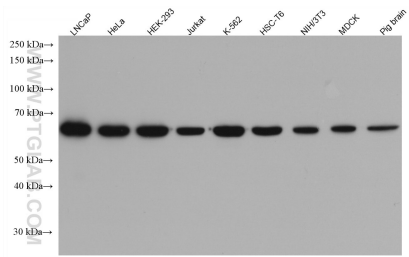
For technical support and original validation data for this product please contact:

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

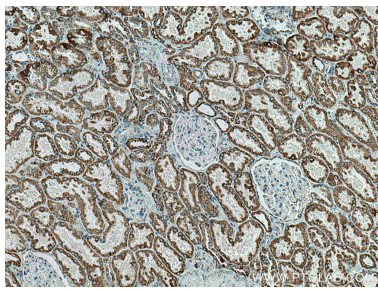
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

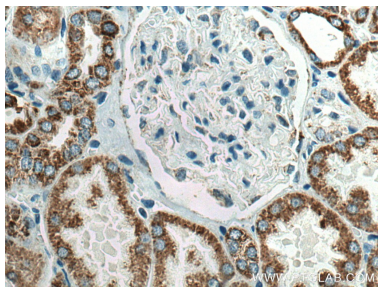
Selected Validation Data



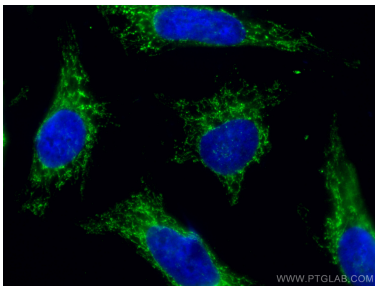
Various lysates were subjected to SDS PAGE followed by western blot with 67791-1-Ig (AIF antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 67791-1-PBS in a different storage buffer formulation.



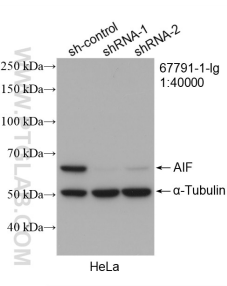
Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 67791-1-Ig (AIF antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 67791-1-PBS in a different storage buffer formulation.



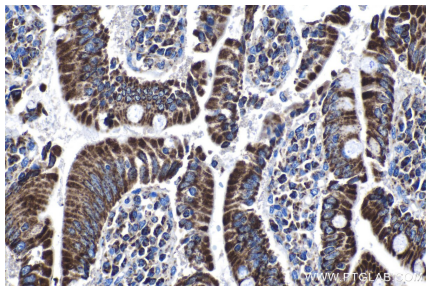
Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 67791-1-Ig (AIF antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 67791-1-PBS in a different storage buffer formulation.



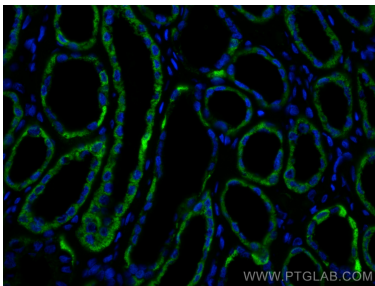
Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using AIF antibody (67791-1-Ig, Clone: 8C12B2) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 67791-1-PBS in a different storage buffer formulation.



WB result of AIF antibody (67791-1-Ig; 1:40000; incubated at room temperature for 1.5 hours) with sh-Control and sh-AIF transfected HeLa cells. This data was developed using the same antibody clone with 67791-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using 67791-1-Ig (AIF antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 67791-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed human kidney tissue using AIF antibody (67791-1-Ig, Clone: 8C12B2) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 67791-1-PBS in a different storage buffer formulation.