

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: 1 mg/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, IF, IHC, 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

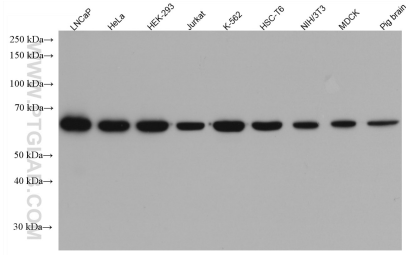
For technical support and original validation data for this product please contact:

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

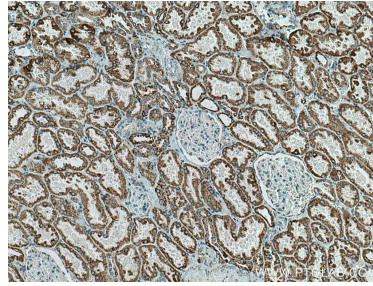
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

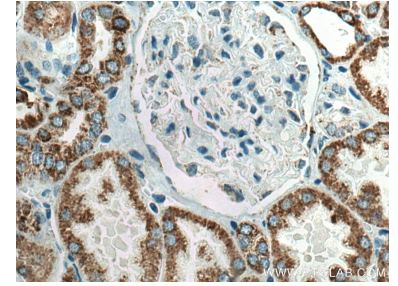
## Selected Validation Data



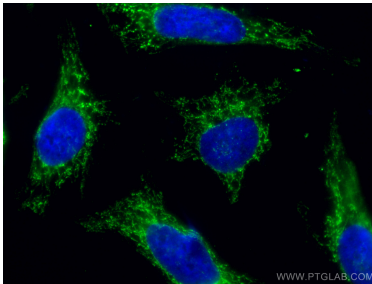
Various lysates were subjected to SDS PAGE followed by western blot with 67791-1-Ig (AIF antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 67791-1-PBS in a different storage buffer formulation.



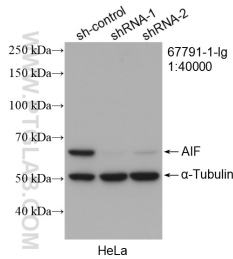
Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 67791-1-Ig (AIF antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 67791-1-PBS in a different storage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



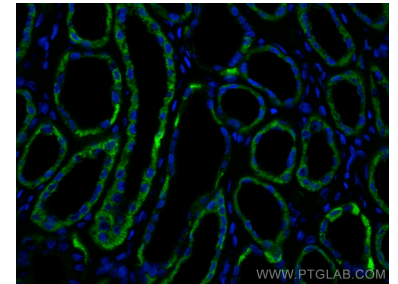
Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 67791-1-Ig (AIF antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 67791-1-PBS in a different storage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



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.