For Research Use Only

CoraLite® Plus 488-conjugated AIF Monoclonal antibody

proteintech®
Antibodies | ELISA kits | Proteins
www.ptglab.com

Catalog Number:CL488-67791

Basic Information

Catalog Number:
CL488-67791

Size:
100ul , Concentration: 1000 µg/ml by Nanodrop;

Source:
Mouse

Isotype:
IgG2a

Immunogen Catalog Number:
AG12400

GenBank Accession Number:
BC111065

GeneID (NCBI):
9131

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

Recommended Dilutions:
IF 1:50-1:500

Excitation/Emission maxima wavelengths:
488 nm / 515 nm

Applications

Tested Applications:
IF

Species Specificity:
Human

Positive Controls:

IF : human kidney tissue,

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

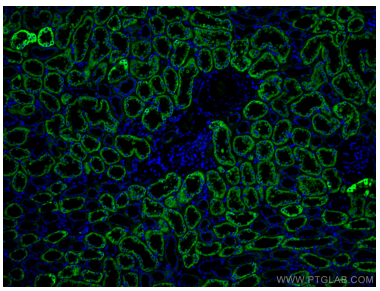
Storage:
Store at -20°C. Avoid exposure to light.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

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

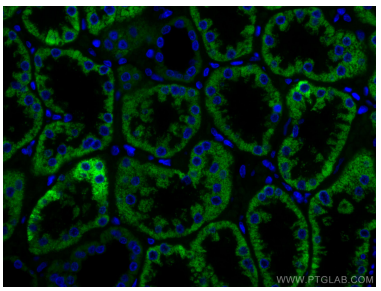
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed human kidney tissue using CoraLite® Plus 488 AIF antibody (CL488-67791, Clone: 8C12B2) at dilution of 1:200.



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