

For Research Use Only

CoraLite® Plus 488-conjugated BNIP3 Monoclonal antibody

Catalog Number: CL488-68091



Basic Information

Catalog Number:

CL488-68091

Size:

100ul , Concentration: 1000 ug/ml by 664 Nanodrop;

Source:

Mouse

Isotype:

IgG2b

Immunogen Catalog Number:

AG27935

GenBank Accession Number:

BC009342

GeneID (NCBI):

664

UNIPROT ID:

Q12983

Full Name:

BCL2/adenovirus E1B 19kDa interacting protein 3

Calculated MW:

194 aa, 22 kDa

Observed MW:

25-30,50-60 kDa

Purification Method:

Protein A purification

CloneNo.:

2H7D8

Recommended Dilutions:

IF/ICC 1:50-1:500

Excitation/Emission maxima wavelengths:

493 nm / 522 nm

Applications

Tested Applications:

IF/ICC

Species Specificity:

Human

Positive Controls:

IF/ICC : Cobalt Chloride treated HepG2 cells,

Background Information

BNIP3 (BCL2 interacting protein 3) is a member of the Bcl-2 family that is expressed in mitochondria and induces apoptosis (PMID: 10891486). It can regulate the permeability state of outer mitochondrial membrane (OMM), this regulation is accompanied by the formation of homo- and hetero-oligomers inside the membrane. Hypoxia can lead to transcriptional activation of BNIP3 through HIF-1α (PMID: 11559532). Its calculated molecule weight is 21.5 kDa. The antibody can detect bands around 25 and 50 kDa, representing monomeric and dimeric forms, respectively (PMID: 21364626). BNIP3 is related to the occurrence and development of tumors, cardiovascular diseases, and Parkinson's diseases.

Storage

Storage:

Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

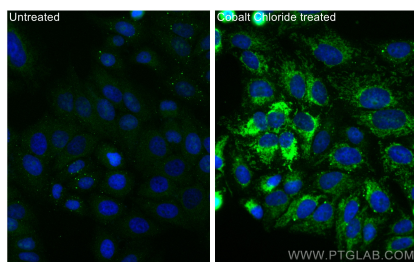
For technical support and original validation data for this product please contact:

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 (-20°C Methanol) fixed Cobalt Chloride treated HepG2 cells using CoraLite® Plus 488 BNIP3 antibody (CL488-68091, Clone: 2H7D8) at dilution of 1:200.