

For Research Use Only

CoraLite® Plus 488-conjugated BNIP3 Monoclonal antibody



Catalog Number:CL488-68091

Basic Information

Catalog Number: CL488-68091	GenBank Accession Number: BC009342	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 664	CloneNo.: 2H7D8
Source: Mouse	Full Name: BCL2/adenovirus E1B 19kDa interacting protein 3	Recommended Dilutions: IF 1:50-1:500
Isotype: IgG2b	Calculated MW: 194 aa, 22 kDa	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Immunogen Catalog Number: AG27935	Observed MW: 25-30,50-60 kDa	

Applications

Tested Applications: IF	Positive Controls: IF : Cobalt Chloride treated HepG2 cells,
Species Specificity: Human	

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

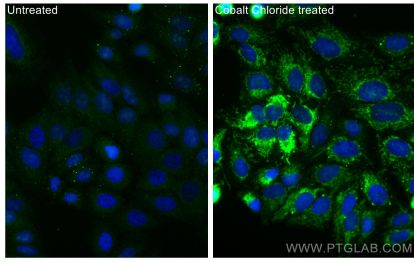
Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 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)
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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.