

For Research Use Only

CoraLite® Plus 488-conjugated BOP1 Recombinant antibody

Catalog Number:CL488-82742-3

Featured Product



Basic Information

Catalog Number:

CL488-82742-3

Size:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG26669

GenBank Accession Number:

BC013787

GeneID (NCBI):

23246

UNIPROT ID:

Q14137

Full Name:

block of proliferation 1

Calculated MW:

84 kDa

Observed MW:

117 kDa

Purification Method:

Protein A purification

CloneNo.:

3A4

Recommended Dilutions:

IF/ICC 1:50-1:500

Excitation/Emission maxima

wavelengths:

493 nm / 522 nm

Applications

Tested Applications:

IF/ICC

Species Specificity:

human, mouse, rat

Positive Controls:

IF/ICC : HepG2 cells,

Background Information

Block of Proliferation 1(BOP1) protein was first isolated from a mouse, and the truncation protein may led to cell cycle arrest. Bop1 plays a role in processing of the 28S and 5.8S rRNAs (ribosomal RNAs) to regulate ribosome biogenesis. And Bop1 also act as a component of Pes1/Bop1/WDR21 (PeBoW) complex for mature 60S ribosome, and consequently acts during cell division at G1 checkpoints (PMID:18670790; PMID:26940494). What's more, abnormal expression of BOP1 was associated with liver or colorectal cancers (PMID:16804918). The molecular weight of the protein we detected was slightly higher, about 117 kd, which is also seen in the article (PMID: 30100995).

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:

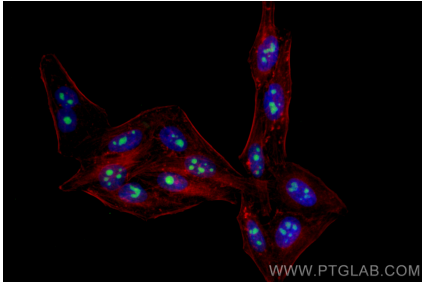
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using CoraLite® Plus 488 BOP1 antibody (CL488-82742-3, Clone: 3A4) at dilution of 1:200.