

For Research Use Only

BOP1 Recombinant antibody

Catalog Number: 82742-3-RR



Basic Information

Catalog Number: 82742-3-RR	GenBank Accession Number: BC013787	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 23246	CloneNo.: 3A4
Source: Rabbit	Full Name: block of proliferation 1	Recommended Dilutions: WB 1:5000-1:50000 IF 1:500-1:2000
Isotype: IgG	Calculated MW: 84 kDa	
Immunogen Catalog Number: AG26669	Observed MW: 117 kDa	

Applications

Tested Applications:

IF, WB, ELISA

Species Specificity:

Human, mouse, rat

Positive Controls:

WB : NCI-H1299 cells, HeLa cells, DU 145 cells, PC-3 cells, U2OS cells

IF : 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. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

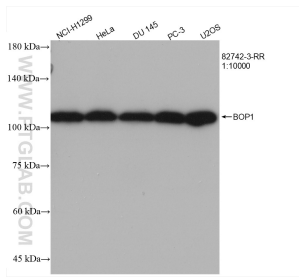
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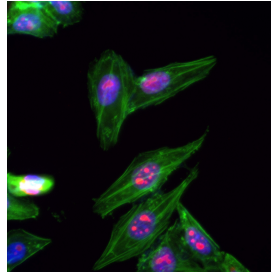
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 82742-3-RR (BOP1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using BOP1 antibody (82742-3-RR, Clone: 3A4) at dilution of 1:1000 and Multi-rAb CoraLite® Plus 594-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR004).