

For Research Use Only

BOP1 Recombinant antibody, PBS Only

Catalog Number: 82742-3-PBS

Featured Product



Basic Information

Catalog Number: 82742-3-PBS	GenBank Accession Number: BC013787	Purification Method: Protein A purification
Size: 1 mg/ml	GeneID (NCBI): 23246	CloneNo.: 3A4
Source: Rabbit	UNIPROT ID: Q14137	
Isotype: IgG	Full Name: block of proliferation 1	
Immunogen Catalog Number: AG26669	Calculated MW: 84 kDa	
	Observed MW: 117 kDa	

Applications

Tested Applications:
WB, IHC, IF/ICC, Indirect ELISA

Species Specificity:
human, mouse, rat

Background Information

Block of Proliferation 1 (BOP1) protein was first isolated from a mouse, and the truncation protein may lead 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 acts 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 -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS Only

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

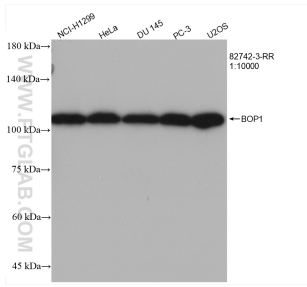
T: 4006900926

E: Proteintech-CN@ptglab.com

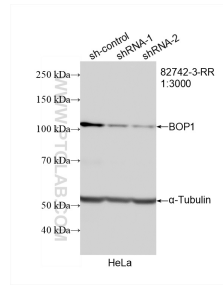
W: ptgcn.com

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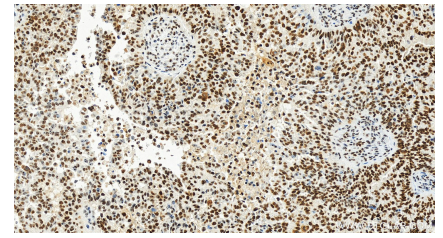
Selected Validation Data



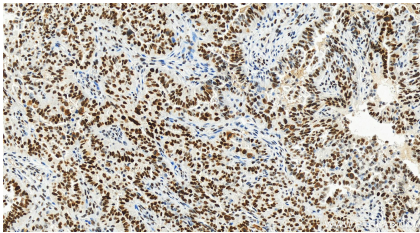
Various lysates were subjected to SDS PAGE followed by western blot with 82742-3-RR (BOP1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 82742-3-PBS in a different storage buffer formulation.



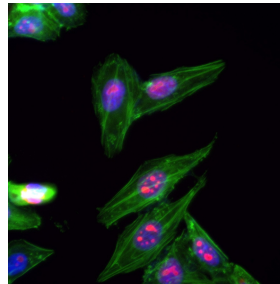
WB result of BOP1 antibody (82742-3-RR; 1:3000; incubated at room temperature for 1.5 hours) with sh-Control and sh-BOP1 transfected HeLa cells. This data was developed using the same antibody clone with 82742-3-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human ovarian cancer slide using 82742-3-RR (BOP1 antibody) at dilution of 1:1000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 82742-3-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human ovarian cancer slide using 82742-3-RR (BOP1 antibody) at dilution of 1:1000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 82742-3-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 82742-3-PBS in a different storage buffer formulation.