

For Research Use Only

BXDC5 Polyclonal antibody, PBS Only

Catalog Number: 33133-1-PBS



Basic Information

Catalog Number: 33133-1-PBS	GenBank Accession Number: BC016051	Purification Method: Antigen affinity Purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 80135	
Source: Rabbit	UNIPROT ID: Q9H9Y2	
Isotype: IgG	Full Name: brix domain containing 5	
Immunogen Catalog Number: AG37505	Calculated MW: 349 aa, 40 kDa	
	Observed MW: 48 kDa	

Applications

Tested Applications:
WB, IF/ICC, Indirect ELISA

Species Specificity:
human

Background Information

BXDC5 (Brix domain-containing protein 5), also known as ribosome biogenesis protein RPF1, is a protein containing a Brix domain and is localized in the nucleolus. The Brix domain is a region that shares homology with the yeast protein Pitx1 (ribosome biogenesis protein BRX1). BXDC5 is a key factor in ribosome biogenesis, participating in the maturation of the 60S ribosomal subunit. This protein exerts its function by binding to specific rRNA structures and acts as a downstream effector molecule of the Ran signaling pathway, involved in ribosome biogenesis. In colorectal cancer (CRC), BXDC5 influences the occurrence and development of tumors by regulating ribosome biogenesis.

Storage

Storage:
Store at -80°C.

Storage Buffer:
PBS only, pH7.3

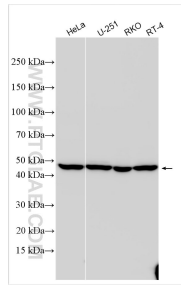
For technical support and original validation data for this product please contact:

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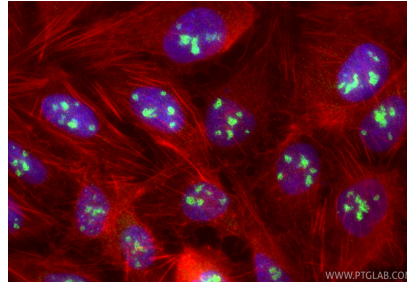
E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 33133-1-AP (BXDC5 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 33133-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed U2OS cells using BXDC5 antibody (33133-1-AP) at dilution of 1:800 and CoraLite@488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red). This data was developed using the same antibody clone with 33133-1-PBS in a different storage buffer formulation.