

For Research Use Only

BXDC5 Polyclonal antibody

Catalog Number: 33133-1-AP



Basic Information

Catalog Number: 33133-1-AP	GenBank Accession Number: BC016051	Purification Method: Antigen affinity Purification
Concentration: 300 ug/ml	GeneID (NCBI): 80135	Recommended Dilutions: WB: 1:5000-1:50000 IF/ICC: 1:400-1:1600
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, ELISA	Positive Controls: WB : HeLa cells, U-251 cells, RKO cells, RT-4 cells IF/ICC : U2OS cells,
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 -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

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

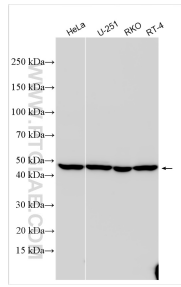
T: 4006900926

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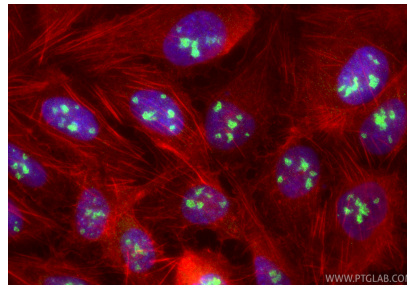
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Selected Validation Data



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.



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).