

For Research Use Only

BXDC5 Polyclonal antibody, PBS Only

Catalog Number: 33133-1-PBS



Basic Information

Catalog Number:

33133-1-PBS

Concentration:

1 mg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG37505

GenBank Accession Number:

BC016051

GeneID (NCBI):

80135

UNIPROT ID:

Q9H9Y2

Full Name:

brix domain containing 5

Calculated MW:

349 aa, 40 kDa

Observed MW:

48 kDa

Purification Method:

Antigen affinity Purification

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.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS only, pH7.3

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

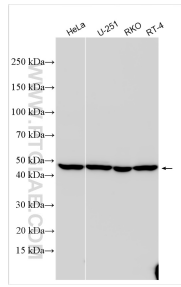
T: 4006900926

E: Proteintech-CN@ptglab.com

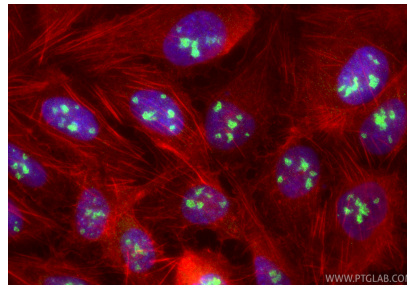
W: ptgcn.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 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.