

For Research Use Only

BICD2 Polyclonal antibody

Catalog Number: 29603-1-AP



Basic Information

Catalog Number:

29603-1-AP

Size:

500 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG31279

GenBank Accession Number:

BC073970

GeneID (NCBI):

23299

UNIPROT ID:

Q8TD16

Full Name:

bicaudal D homolog 2 (Drosophila)

Calculated MW:

855 aa, 97 kDa

Observed MW:

93-96 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:4000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

Human

Positive Controls:

WB : A549 cells, HeLa cells, Jurkat cells, K-562 cells, MCF-7 cells

Background Information

Protein bicaudal D homolog 2 (BICD2) acts as an adapter protein linking the dynein motor complex to various cargos and converts dynein from a non-processive to a highly processive motor in the presence of dynactin. Facilitates and stabilizes the interaction between dynein and dynactin and activates dynein processivity (the ability to move along a microtubule for a long distance without falling off the track). Facilitates the binding of RAB6A to the Golgi by stabilizing its GTP-bound form. Regulates coat complex coatamer protein I (COPI)-independent Golgi-endoplasmic reticulum transport via its interaction with RAB6A and recruitment of the dynein-dynactin motor complex (PubMed:25962623).

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

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

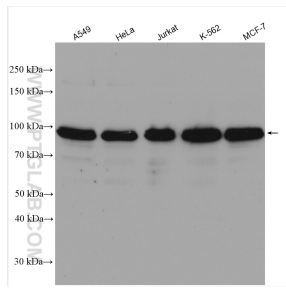
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 29603-1-AP (BICD2 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.