

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

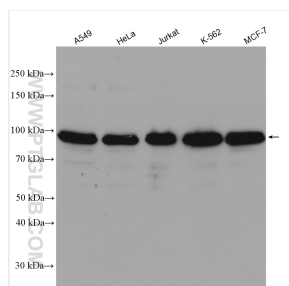
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Selected Validation Data



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.