

Anti-Protein bicaudal D homolog 1 BICD1 Antibody

Catalog Number: A07284

About BICD1

BICD1 was initially identified as the human homolog to Drosophila Bicaudal-D protein that forms part of the cytoskeleton and mediates the correct sorting of mRNAs for oocyte- and axis-determining factors during oogenesis. BICD1 can bind to dynein-dynactin and co-localizes with Rab6A on the trans-Golgi network and cytoplasmic vesicles, suggesting BICD1 regulates COPI-independent Golgi-ER transport. BICD1 will also interact with Rab6B, a Rab6 isoform that is expressed primarily in brain. Live cell imaging showed bi-directional movement of Rab6B structures in SK-N-SH neurites, indicating that BICD1 is involved in the Rab6B regulation of retrograde cargo transport in neuronal cells.

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Overview

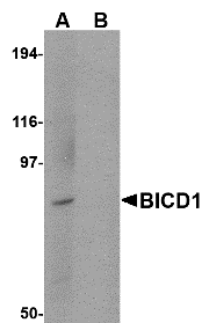
Product Name	Anti-Protein bicaudal D homolog 1 BICD1 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Protein bicaudal D homolog 1 BICD1 Antibody (Catalog # A07284). Tested in ELISA, WB, ICC, IF applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, IF, ICC, WB
Clonality	Polyclonal
Formulation	BICD1 Antibody is supplied in PBS containing $\leq 0.09\%$ sodium azide.
Storage Instructions	BICD1 antibody can be stored at 4°C, stable for up to one year. Avoid repeated freeze-thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Host	Rabbit
Uniprot ID	Q96G01

Technical Details

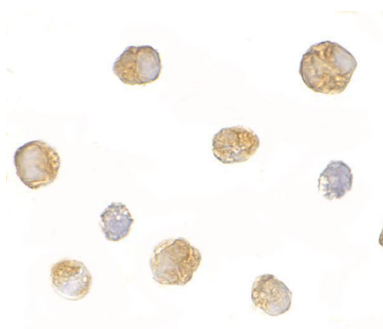
Immunogen	BICD1 antibody was raised against a 15 amino acid synthetic peptide from near the carboxy terminus of human BICD1. The immunogen is located within the last 50 amino acids of BICD1.
Predicted Reactive Species	Rat
Cross Reactivity	At least two isoforms of BICD1 are known to exist; this antibody will only recognize the larger

	isoform.
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	BICD1 Antibody is affinity chromatography purified via peptide column.
Suggested Dilutions	BICD1 antibody can be used for detection of BICD1 by Western blot at 1 ug/mL. Antibody can also be used for immunocytochemistry starting at 2.5 ug/mL. For immunofluorescence start at 10 ug/mL. Antibody validated: Western Blot in human samples; Immunocytochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

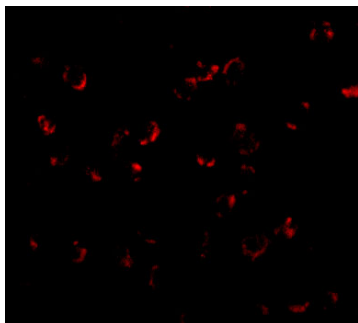
Anti-Protein bicaudal D homolog 1 BICD1 Antibody (A07284) Images



Western blot analysis of BICD1 in Daudi cell lysate with BICD1 antibody at 1 ug/mL in (A) the absence and (B) the presence of blocking peptide.



Immunocytochemistry of BICD1 in Daudi cells with BICD1 antibody at 2.5 ug/mL.



Immunofluorescence of BICD1 in Daudi cells with BICD1 antibody at 20 ug/mL.

[Anti-Protein bicaudal D homolog 1 BICD1 Antibody](#)

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