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Datasheet for ABIN6990932
anti-BICD1 antibody (C-Term)

Overview

Quantity:	0.1 mg
Target:	BICD1
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This BICD1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunocytochemistry (ICC), Immunofluorescence (IF)

Product 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.
Isotype:	IgG
Specificity:	At least two isoforms of BICD1 are known to exist, this antibody will only recognize the larger isoform.
Purification:	BICD1 Antibody is affinity chromatography purified via peptide column.

Target Details

Target:	BICD1
Alternative Name:	BICD1 (BICD1 Products)

Target Details

Background:	BICD1 Antibody: 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.
Gene ID:	636
NCBI Accession:	NP_001705
UniProt:	Q96G01
Pathways:	Ribonucleoprotein Complex Subunit Organization , Regulation of G-Protein Coupled Receptor Protein Signaling , Maintenance of Protein Location

Application Details

Application Notes:	BICD1 antibody can be used for detection of BICD1 by Western blot at 1 µg/mL. Antibody can also be used for immunocytochemistry starting at 2.5 µg/mL. For immunofluorescence start at 10 µg/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.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	BICD1 Antibody is supplied in PBS containing 0.02 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C, 4 °C

Handling

Storage Comment: BICD1 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.