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Datasheet for ABIN7165141
anti-BICD2 antibody (AA 511-625) (Biotin)

Overview

Quantity:	100 µg
Target:	BICD2
Binding Specificity:	AA 511-625
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This BICD2 antibody is conjugated to Biotin
Application:	ELISA

Product Details

Immunogen:	Recombinant Human Protein bicaudal D homolog 2 protein (511-625AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	BICD2
Alternative Name:	BICD2 (BICD2 Products)
Background:	Background: 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

Target Details

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) (By similarity). 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). Contributes to nuclear and centrosomal positioning prior to mitotic entry through regulation of both dynein and kinesin-1. During G2 phase of the cell cycle, associates with RANBP2 at the nuclear pores and recruits dynein and dynactin to the nuclear envelope to ensure proper positioning of the nucleus relative to centrosomes prior to the onset of mitosis (By similarity).

Aliases: bA526D8.1 antibody, Bic D 2 antibody, Bic-D 2 antibody, Bicaudal D homolog 2 (Drosophila) antibody, Bicaudal D homolog 2 antibody, Bcd2 antibody, BICD2_HUMAN antibody, Coiled coil protein BICD2 antibody, Cytoskeleton like bicaudal D protein homolog 2 antibody, Homolog of Drosophila bicaudal D antibody, KIAA0699 antibody, Protein bicaudal D homolog 2 antibody

UniProt: [Q8TD16](#)

Pathways: [Maintenance of Protein Location](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C, -80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.