


# Anti-BICD2 antibody ab117818

[7 References](#) [2 Images](#)

## Overview

<b>Product name</b>	Anti-BICD2 antibody
<b>Description</b>	Rabbit polyclonal to BICD2
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB, IP
<b>Species reactivity</b>	<b>Reacts with:</b> Human <b>Predicted to work with:</b> Rabbit, Guinea pig, Chimpanzee, Rhesus monkey, Gorilla, Orangutan, Elephant 
<b>Immunogen</b>	Synthetic peptide, corresponding to a region within amino acids 375-425 of Human BICD2 (NP_056065.1).
<b>Positive control</b>	HeLa, 293T and Jurkat whole cell lysate ( <a href="#">ab7899</a> ).
<b>General notes</b>	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&amp;As</p>

## Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
<b>Storage buffer</b>	<p>pH: 7</p> <p>Preservative: 0.09% Sodium azide</p> <p>Constituent: 99% Tris citrate/phosphate</p> <p>pH: 7-8</p>
<b>Purity</b>	Immunogen affinity purified
<b>Purification notes</b>	ab117818 was affinity purified using an epitope specific to BICD2 immobilized on solid support.
<b>Clonality</b>	Polyclonal

Isotype

IgG

## Applications

### The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab117818 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/2000 - 1/10000. Predicted molecular weight: 94 kDa.
IP		Use at 2-10 µg/mg of lysate.

## Target

### Function

May play a role in the dynein-dynactin interactions on the surface of membranous organelles, by associating with these complexes. Regulates coat complex coatomer protein I (COPI)-independent Golgi-endoplasmic reticulum transport by recruiting the dynein-dynactin motor complex.

### Tissue specificity

Ubiquitous.

### Sequence similarities

Belongs to the BicD family.

### Domain

The fourth coiled coil region is involved in Golgi targeting and in the interaction with DCTN2.

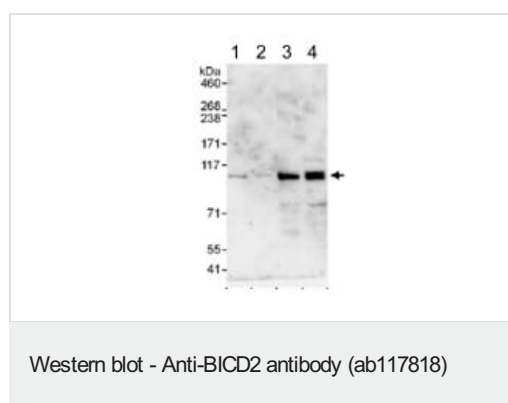
### Post-translational modifications

Phosphorylated by NEK9 in vitro.

### Cellular localization

Golgi apparatus. Cytoplasm > cytoskeleton. In interphase cells mainly localizes to the Golgi complex and colocalizes with dynactin at microtubule plus ends (By similarity). Its localization is dependent on microtubule morphology.

## Images



**All lanes** : Anti-BICD2 antibody (ab117818) at 0.1 µg/ml

**Lane 1** : HeLa whole cell lysate at 50 µg

**Lane 2** : HeLa whole cell lysate at 15 µg

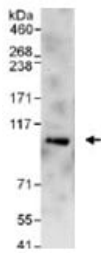
**Lane 3** : 293T whole cell lysate at 50 µg

**Lane 4** : Jurkat whole cell lysate at 50 µg

Developed using the ECL technique.

**Predicted band size:** 94 kDa

**Exposure time:** 3 minutes



Immunoprecipitation - Anti-BICD2 antibody  
(ab117818)

Detection of Human BICD2 by Immunoprecipitation in Whole cell lysate from HeLa (1 mg for IP, 20% of IP loaded) cells using ab117818 at 6 µg/mg of lysate. ab117818 at 0.4 µg/ml was used for subsequent WB detection of the immunoprecipitate. Detection: Chemiluminescence with exposure time of 30 seconds.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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