# ANTIBODIES ONLINE

## Datasheet for ABIN499457 anti-BICD2 antibody (C-Term)

Image



Overview

1

Quantity:	0.1 mg
Target:	BICD2
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This BICD2 antibody is un-conjugated
Application:	Western Blotting (WB), Enzyme Immunoassay (EIA)

## Product Details

Immunogen:	BICD2 antibody was raised against a 13 amino acid peptide from near the carboxy terminus of human BICD2.
lsotype:	lgG
Specificity:	This antibody reacts to BICD2. It will not cross-react with BICD1.
Purification:	Affinity chromatography purified via peptide column

### Target Details

Target:	BICD2
Alternative Name:	BICD2 (BICD2 Products)
Background:	BICD2 is the second human homolog discovered to the Drosophila Bicaudal-D protein that

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	forms part of the cytoskeleton and mediates the correct sorting of mRNAs for oocyte- and axis-
	determining factors during oogenesis. Similar to the highly homologous protein BICD1, BICD2
	can bind to dynein-dynactin complex, primarily through the dynamitin subunit of dynactin. The
	C-terminus of BICD2 targets the protein to the Golgi complex while the N-terminal domain of
	BICD2 co-immunoprecipitates with cytoplasmic dynein, suggesting BICD2 plays a role in the
	dynein-dynactin interaction on the surface of membranous organelles. Mice engineered to
	overexpress the BICD2 amino terminal domain in neurons developed amyotrophic lateral
	sclerosis (ALS)-like features such as Golgi fragmentation, neurofilament swelling in proximal
	axons, etc., suggesting that impaired dynein/dynactin function may explain some of the
	pathological features observed in ALS patients.Synonyms: Bic-D2, KIAA0699, Protein bicaudal D
	homolog 2
Gene ID:	23299
UniProt:	Q8TD16
Pathways:	Maintenance of Protein Location
Application Details	
Application Notes:	ELISA. Western Blot: BICD2 antibody can be used for detection of BICD2 at 1 - 2 $\mu$ g/mL.
	Other applications not tested.
	Optimal dilutions are dependent on conditions and should be determined by the user.
Restrictions:	For Research Use only
Handling	
Buffer:	PBS containing 0.02 % sodium azide.
Preservative:	
	Sodium azide
Precaution of Use:	Sodium azide This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which
Precaution of Use:	Sodium azide This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Precaution of Use: Storage:	Sodium azide This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. 4 °C

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#### Western Blotting

Image 1. Western blot analysis of BICD2 in A549 cell lysate with AP30145PU-N BICD2 antibody at (A) 1 and (B) 2  $\mu$  g/ml.

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