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Datasheet for ABIN7266851  
**anti-Dynamitin antibody (AA 280-401)**

1 Image

Overview

Quantity:	100 µL
Target:	Dynamitin (DCTN2)
Binding Specificity:	AA 280-401
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Dynamitin antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Purpose:	DCTN2 Rabbit pAb
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 280-401 of human DCTN2 (NP_006391.1).
Sequence:	VLDQVEARLQ SVLGKVNEIA KHKASVEDAD TQSKVHQLYE TIQRWSPIAS TLPELVQRLV TIKQLHEQAM QFGQLLTHLD TTQQMIANSL KDNTLLTQV QTTMRENLAT VEGNFASIDE RM
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

## Target Details

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Target: Dynamitin (DCTN2)

Alternative Name: DCTN2 ([DCTN2 Products](#))

Background: This gene encodes a 50-kD subunit of dynactin, a macromolecular complex consisting of 10-11 subunits ranging in size from 22 to 150 kD. Dynactin binds to both microtubules and cytoplasmic dynein. It is involved in a diverse array of cellular functions, including ER-to-Golgi transport, the centripetal movement of lysosomes and endosomes, spindle formation, chromosome movement, nuclear positioning, and axonogenesis. This subunit is present in 4-5 copies per dynactin molecule. It contains three short alpha-helical coiled-coil domains that may mediate association with self or other dynactin subunits. It may interact directly with the largest subunit (p150) of dynactin and may affix p150 in place. Multiple alternatively spliced transcript variants encoding distinct isoforms have been found for this gene.,DCTN2,DCTN50,DYNAMITIN,HEL-S-77,RBP50,Signal Transduction,Cell Biology & Developmental Biology,Cell Cycle,Centrosome,Cytoskeleton,Motor Proteins,Neuroscience,Neurodegenerative Diseases,DCTN2

Molecular Weight: 44kDa

Gene ID: 10540

UniProt: [Q13561](#)

Pathways: [M Phase](#), [Ribonucleoprotein Complex Subunit Organization](#)

## Application Details

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Application Notes: WB,1:500 - 1:2000

Restrictions: For Research Use only

## Handling

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Format: Liquid

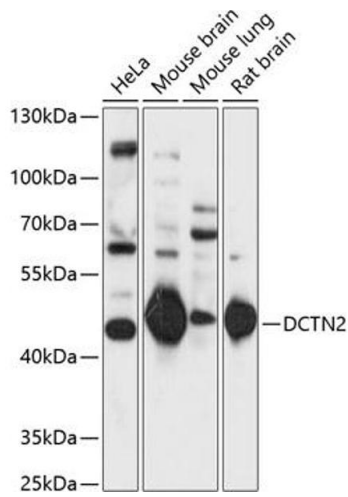
Buffer: PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.

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

Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.



### Western Blotting

**Image 1.** Western blot analysis of extracts of various cell lines, using DCTN2 antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 30s.