Datasheet for ABIN2787686

anti-Dynamitin antibody (N-Term)

1 Image

Go to Product page

Overview

Quantity:	100 µL
Target:	Dynamitin (DCTN2)
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Rabbit, Cow, Dog, Horse, Guinea Pig, Zebrafish (Danio rerio)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Dynamitin antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human DCTN2
Sequence:	ADPKYADLPG IARNEPDVYE TSDLPEDDQA EFDAFAQELE ELTSTSVEHI
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Zebrafish: 100%
Characteristics:	This is a rabbit polyclonal antibody against DCTN2. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	Dynamitin (DCTN2)

Target Details

Alternative Name:	DCTN2 (DCTN2 Products)
Background:	DCTN2 is 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.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. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications. Alias Symbols: DCTN50, DYNAMITIN, RBP50 Protein Interaction Partner: KIFC3, CCDC172, HAUS1, BLOC1S6, DCTN2, BICD2, DYNC1I1, DCTN1, UBC, FLNB, NUP43, LEO1, SEH1L, ACTR10, DCTN4, DCTN3, ACTR1A, ACTR1B, RABEP1, LMNB1, GADD45A, KPNA2, SMURF1, DYNLRB1, STRN4, RANBP9, TPM4, SNRPA1, PSMD4, PSMD1, PSMC4, PSMC2, POLR2D, POLR2A, MCM Protein Size: 406
Molecular Weight:	45 kDa
Gene ID:	10540
NCBI Accession:	NM_006400, NP_006391
UniProt:	Q13561
Pathways:	M Phase, Ribonucleoprotein Complex Subunit Organization

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 406 AA

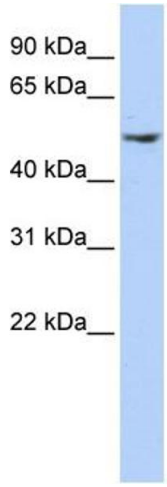
Application Details

Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

Image 1. WB Suggested Anti-DCTN2 Antibody Titration: 0.2-1 ug/ml

ELISA Titer: 1:12500

Positive Control: Jurkat cell lysate