

**Product Name: Dynactin 2 Rabbit Polyclonal Antibody**  
**Catalog #: APRab10223**



## Summary

<b>Production Name</b>	Dynactin 2 Rabbit Polyclonal Antibody
<b>Description</b>	Rabbit Polyclonal Antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB,IHC-P,IF-P,IF-F,ICC/IF,ELISA
<b>Reactivity</b>	Human,Mouse,Rat

## Performance

<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Polyclonal
<b>Form</b>	Liquid
<b>Storage</b>	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
<b>Buffer</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
<b>Purification</b>	Affinity purification

## Immunogen

<b>Gene Name</b>	DCTN2
<b>Alternative Names</b>	DCTN2; DCTN50; Dynactin subunit 2; 50 kDa dynein-associated polypeptide; Dynactin complex 50 kDa subunit; DCTN-50; p50 dynamitin
<b>Gene ID</b>	10540.0
<b>SwissProt ID</b>	Q13561.The antiserum was produced against synthesized peptide derived from human p50 Dynamitin. AA range:341-390

## Application

<b>Dilution Ratio</b>	WB 1:500-1:2000, IHC-P 1:100-1:300, ELISA 1:10000, IF-P/IF-F/ICC/IF 1:50-200
<b>Molecular Weight</b>	50kDa

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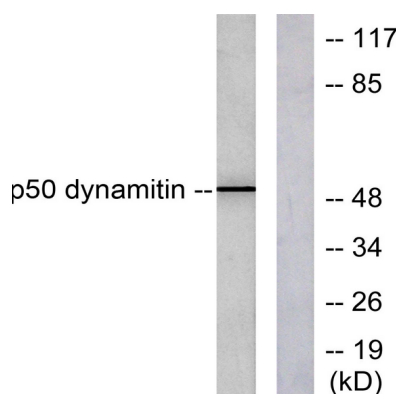
## Background

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. [provided by RefSeq, May 2012],function:Modulates cytoplasmic dynein binding to an organelle, and plays a role in prometaphase chromosome alignment and spindle organization during mitosis. May play a role in synapse formation during brain development.,similarity:Belongs to the dynactin subunit 2 family.,subunit:Subunit of dynactin, a multiprotein complex associated with dynein. Interacts with BICD2 (By similarity). Interacts with MAPRE1.,

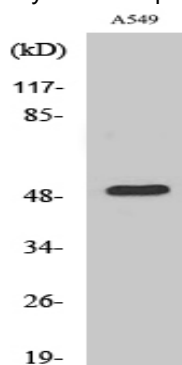
## Research Area

Huntington's disease;

## Image Data



Western blot analysis of lysates from A549 cells, using p50 Dynactin Antibody. The lane on the right is blocked with the synthesized peptide.



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Western Blot analysis of various cells using Dynactin 2 Polyclonal Antibody diluted at 1 : 500

**Note**

For research use only.