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

For research use only.

Summary

Description	Rabbit polyclonal Antibody
Host	Rabbit
Application	WB,IHC,ICC/IF,ELISA
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:5000-1:20000
Molecular Weight	50kDa

Antigen Information

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

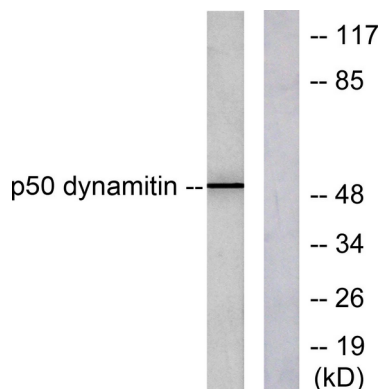
Background

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.,

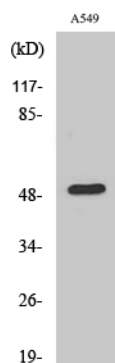
Research Area

Huntington's disease;

Image Data



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



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