

Dynamitin Polyclonal Antibody

Catalog number: 10031-2-AP

Size: 20 µg/150 µl

Source: Rabbit

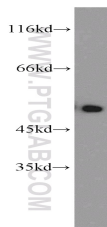
Isotype: IgG

Synonyms:

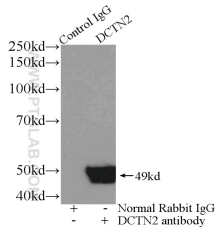
DCTN2; DCTN 50, DCTN2,
DCTN50, dynactin 2, dynactin 2
(p50), Dynactin subunit 2,
DYNAMITIN, p50 dynamitin,
RBP50

Background

Dynamitin is a 50 kDa protein containing a calmodulin binding domain, a putative ATPase domain and MacMARCKS-binding domain. This protein is a part of the dynactin complex believed to link the dynactin complex to membrane compartments. Its functions are tightly associated with dynein motor protein, thus extend to vesicle trafficking and membrane integrity. Dynamitin was named so because its overexpression causes dynactin complex which contains 10 subunits, to disassemble. Its N terminal 58 amino acid is for MacMARCKS binding and residues 59-83 is responsible for calmodulin binding. This antibody is against the N terminal 59aa of full length p50 dynamitin.



mouse brain tissue were subjected to SDS PAGE followed by western blot with 10031-2-AP(dynactin-2 antibody) at dilution of 1:800



IP Result of anti-dynactin-2 (IP:10031-2-AP, 3µg; Detection:10031-2-AP 1:800) with mouse brain tissue lysate 4000µg.

Applications

Tested applications: ELISA, WB, IP

Cited applications: WB

Species specificity: Human, Mouse; other species not tested.

Cited species: Mouse

Calculated Dynamitin MW: 50 kDa

Observed Dynamitin MW: 50kd

Positive WB detected in Mouse brain tissue, human testis tissue, mouse lung tissue

Positive IP detected in Mouse brain tissue

Recommended dilution: WB: 1:200-1:2000

IP: 1:200-1:2000

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

Immunogen: Recombinant Protein

GenBank accession number: BC000718

Gene ID (NCBI): 10540

Full name: Dynactin 2 (p50)

Product information

Purification method: Antigen affinity purification

Storage: PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.