

For Research Use Only

Dynamitin (1-83 AA) Polyclonal antibody



Catalog Number: 10031-2-AP

1 Publications

Basic Information

Catalog Number: 10031-2-AP	GenBank Accession Number: BC000718	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 600 µg/ml by Nanodrop and 333 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 10540	Recommended Dilutions: WB 1:500-1:2000
Source: Rabbit	Full Name: dynactin 2 (p50)	IP 0.5-4.0 ug for IP and 1:500-1:1000 for WB
Isotype: IgG	Calculated MW: 50 kDa	
	Observed MW: 50 kDa	

Applications

Tested Applications: IP, WB, ELISA	Positive Controls:
Cited Applications: WB	WB: mouse brain tissue, mouse testis tissue, mouse lung tissue, human testis tissue
Species Specificity: human, mouse	IP: mouse brain tissue,
Cited Species: mouse	

Background Information

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.

Notable Publications

Author	Pubmed ID	Journal	Application
Cheng Zhiyong Z	19838201	Nat Med	WB

Storage

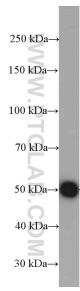
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

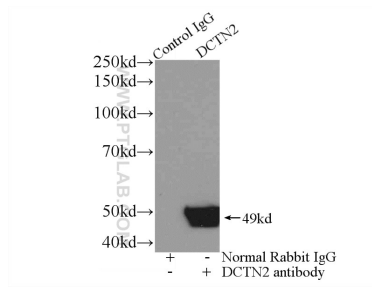
For technical support and original validation data for this product please contact:
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Selected Validation Data



mouse brain tissue were subjected to SDS PAGE followed by western blot with 10031-2-AP (Dynamitin antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



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