For Research Use Only

Dynamitin (1-83 AA) Polyclonal antibody

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Catalog Number:10031-2-AP 1 Publications

Basic Information

Catalog Number:
10031-2-AP

Size:
600 μg/ml

Source:
Rabbit

Isotype:
IgG

GenBank Accession Number:
BC000718

GeneID (NCBI):
10540

UNIPROT ID:
Q13561

Full Name:
dynactin 2 (p50)

Calculated MW:
50 kDa

Observed MW:
50 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB 1:500-1:2000
IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

Applications

Tested Applications:
IP, WB,ELISA

Cited Applications:
WB

Species Specificity:
human, mouse

Cited Species:
mouse

Positive Controls:

WB : mouse brain tissue, mouse testis tissue, mouse lung tissue, human testis tissue

IP : mouse brain tissue,

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

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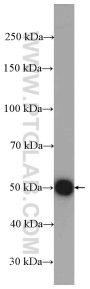
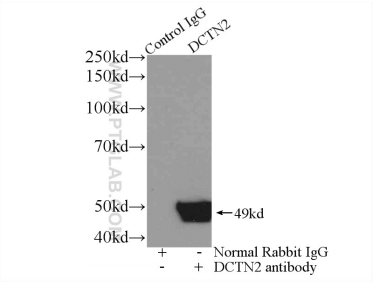
Selected Validation Data



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 (1-83 AA) (IP:10031-2-AP, 3ug; Detection:10031-2-AP 1:800) with mouse brain tissue lysate 4000ug.