

For Research Use Only

Dynamitin (1-86 AA) Polyclonal antibody



Catalog Number: 10032-1-AP

Basic Information

Catalog Number: 10032-1-AP	GenBank Accession Number: AY189155	Purification Method: Antigen affinity purification
Size: 400 µg/ml	GeneID (NCBI): 10540	Recommended Dilutions: WB 1:500-1:1000
Source: Rabbit	UNIPROT ID: Q13561	
Isotype: IgG	Full Name: dynactin 2 (p50)	
Immunogen Catalog Number: AG0029	Calculated MW: 50 kDa	
	Observed MW: 50 kDa	

Applications

Tested Applications:
WB, ELISA

Species Specificity:
human, mouse

Positive Controls:

WB : mouse lung tissue, human brain tissue, human heart tissue, human testis 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 86aa of full length p50 dynamitin.

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:

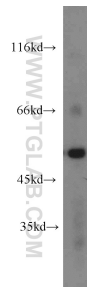
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Selected Validation Data



mouse lung tissue were subjected to SDS PAGE followed by western blot with 10032-1-AP (Dynamitin antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.