

For Research Use Only

# Dynamitin (1-86 AA) Polyclonal antibody



Catalog Number: 10032-1-AP

## Basic Information

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

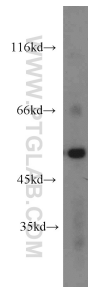
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## Selected Validation Data



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.