

# Dynamitin (1-401 AA) Monoclonal antibody

 Catalog Number: 60257-1-Ig 1 Publications

## Basic Information

<b>Catalog Number:</b> 60257-1-Ig	<b>GenBank Accession Number:</b> BC014083	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 2400 µg/ml	<b>GeneID (NCBI):</b> 10540	<b>CloneNo.:</b> 2B9A5
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> Q13561	<b>Recommended Dilutions:</b> WB 1:500-1:1000 IHC 1:20-1:200
<b>Isotype:</b> IgG3	<b>Full Name:</b> dynactin 2 (p50)	
<b>Immunogen Catalog Number:</b> AG1902	<b>Calculated MW:</b> 401 aa, 44 kDa	
	<b>Observed MW:</b> 52+150 kDa	

## Applications

<b>Tested Applications:</b> IHC, WB, ELISA	<b>Positive Controls:</b> WB : human brain tissue, IHC : human gliomas tissue,
<b>Cited Applications:</b> IF	
<b>Species Specificity:</b> human, mouse	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## 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.

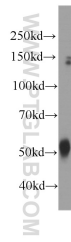
## Notable Publications

Author	Pubmed ID	Journal	Application
Chun-Hong Wu	27742209	Dev Biol	IF

## 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

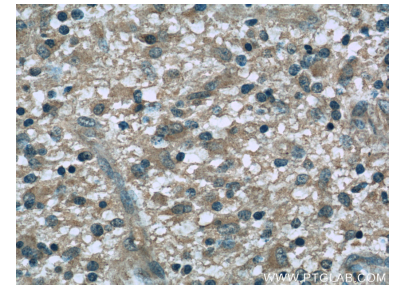
## Selected Validation Data



human brain tissue were subjected to SDS PAGE followed by western blot with 60257-1-Ig (Dynamin antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human gliomas slide using 60257-1-Ig (Dynamin antibody at dilution of 1:50).



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