

Dynamitin (69-376 AA) Polyclonal antibody

Catalog Number: **10030-2-AP**

Basic Information

Catalog Number: 10030-2-AP	GenBank Accession Number: BC000718	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 133 µg/ml by Nanodrop and 133 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 10540	Recommended Dilutions: WB 1:500-1:1000 IP 0.5-4.0 ug for IP and 1:500-1:1000 for WB IHC 1:50-1:500
Source: Rabbit	Full Name: dynactin 2 (p50)	
Isotype: IgG	Calculated MW: 50 kDa	
	Observed MW: 50 kDa	

Applications

Tested Applications: IHC, IP, WB, ELISA	Positive Controls:
Species Specificity: human, mouse	WB : mouse brain tissue, human brain tissue
Note-IHC: <i>suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</i>	IP : mouse brain tissue,
	IHC : human gliomas tissue, human lymphoma 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 internal region (69-376aa) of full length p50 dynamitin.

Storage

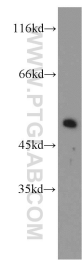
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

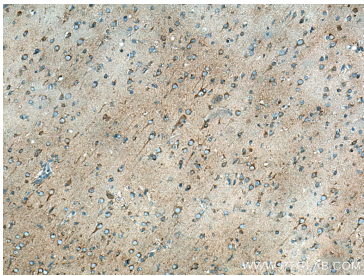
For technical support and original validation data for this product please contact:
 T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
 E: proteintech@ptglab.com
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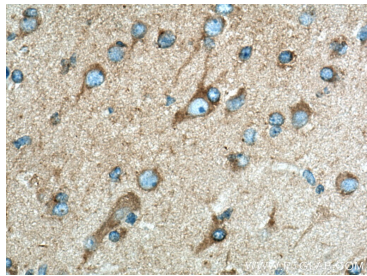
Selected Validation Data



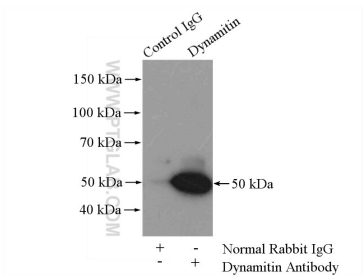
mouse brain tissue were subjected to SDS PAGE followed by western blot with 10030-2-AP (Dynamin antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human gliomas tissue slide using 10030-2-AP (Dynamin (69-376 AA) antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human gliomas tissue slide using 10030-2-AP (Dynamin (69-376 AA) antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP Result of anti-Dynamin (IP:10030-2-AP, 4ug; Detection:10030-2-AP 1:500) with mouse brain tissue lysate 4000ug.