

Dynamitin 2 Polyclonal antibody

Catalog Number: 10030-2-AP

Basic Information

Catalog Number:

10030-2-AP

Concentration:

133 ug/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: 1:500-1:1000

IP: 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC: 1:50-1:500

Applications

Tested Applications:

WB, IHC, IP, ELISA

Species Specificity:

human, mouse

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : mouse brain tissue, human brain tissue

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:

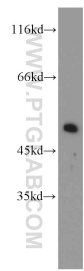
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

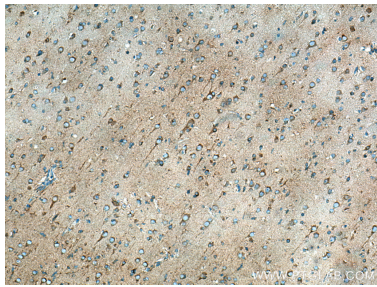
PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

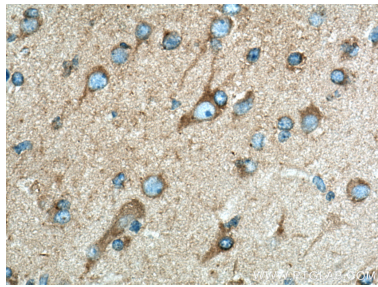
Selected Validation Data



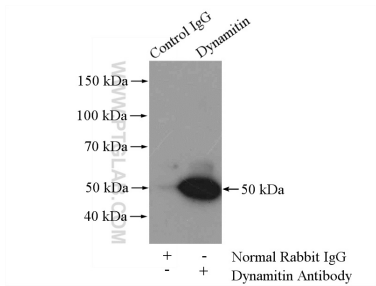
mouse brain tissue were subjected to SDS PAGE followed by western blot with 10030-2-AP (Dynamin 2 antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human gliomas tissue slide using 10030-2-AP (Dynamin 2 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 2 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 2 (69-376 AA) (IP:10030-2-AP, 4ug; Detection:10030-2-AP 1:500) with mouse brain tissue lysate 4000ug.