

Dynamitin (1-401 AA) Polyclonal antibody

Catalog Number: 11361-1-AP

Basic Information

Catalog Number:

11361-1-AP

Size:

300 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG1902

GenBank Accession Number:

BC014083

GeneID (NCBI):

10540

UNIPROT ID:

Q13561

Full Name:

dynactin 2 (p50)

Calculated MW:

401 aa, 44 kDa

Observed MW:

50 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IHC 1:50-1:500

Applications

Tested Applications:

WB, IHC, ELISA

Species Specificity:

human, mouse, rat

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 : A375 cells, MCF-7 cells, SH-SY5Y cells, mouse brain tissue, mouse testis tissue, rat brain tissue

IHC : human stomach cancer 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 59-83aa is responsible for calmodulin binding. This antibody is against the full length p50 dynamitin.

Storage

Storage:

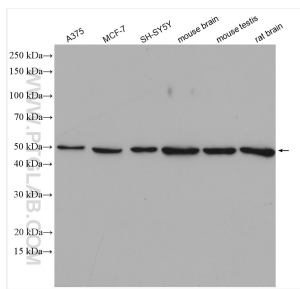
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

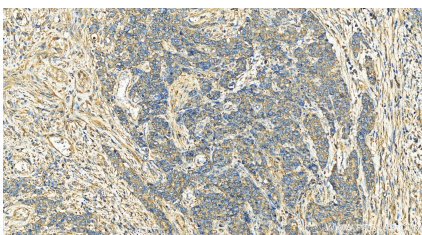
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 11361-1-AP (Dynamitin (1-401 AA) antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using 11361-1-AP (Dynamitin (1-401 AA) antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Sodium Citrate buffer (pH 6.0).