

DCTN2

Reactivity: Human Mouse Rat

Tested applications: WB IHC IF

Recommended Dilution: WB 1:500 - 1:2000 IHC 1:50 - 1:200 IF 1:20 - 1:50

Calculated MW: 44kDa

Observed MW: Refer to Figures

Immunogen:

Recombinant protein of human DCTN2

Storage Buffer:

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Concentration:

di

Synonym:

DCTN50; DYNAMITIN; RBP50;

Catalog #: A2200

Antibody Type:

Polyclonal Antibody

Species: Rabbit

Gene ID: 10540

Isotype: IgG

Swiss Prot: Q13561

Purity: Affinity purification

For research use only.

Background:

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 full length p50 dynamitin.

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