

## DCTN2

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**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:**

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**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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