

Product datasheet for **AP06265PU-N**

Dynamitin (DCTN2) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	Western blot: 1/500-1/1000. Immunohistochemistry on paraffin sections: 1/50-1/200.
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Synthetic peptide, corresponding to amino acids 340-390 of Human Dynactin 2.
Specificity:	This antibody detects endogenous levels of p50 Dynamitin protein. (region surrounding Leu371)
Formulation:	Phosphate buffered saline (PBS), pH 7.2. State: Aff - Purified State: Liquid purified Ig fraction Preservative: 0.05% sodium azide
Concentration:	1.0 mg/ml
Purification:	Affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE)
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	~ 44 kDa
Gene Name:	dynactin subunit 2
Database Link:	Entrez Gene 69654 Mouse Entrez Gene 299850 Rat Entrez Gene 10540 Human Q13561



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Background:

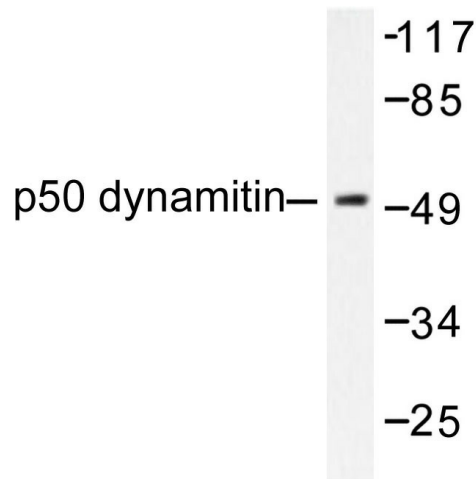
Dynamitin is a 50 kDa protein containing a calmodulin binding domain, a putative ATPase domain and MacMARCKS-binding domain. This protein is a part of the dynactin complex believed to link the dynactin complex to membrane compartments. Its functions are tightly associated with dynein motor protein, thus 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 ; is against the full length p50 dynamitin.

Synonyms:

DCTN2, DCTN50, Dynactin 2, p50 dynamitin, RBP50

Protein Pathways:

Huntington's disease

Product images:

Western blot (WB) analysis of p50 Dynamitin antibody in extracts from A549 cells.