

Product datasheet for **TA346929**

DCTN1 Mouse Monoclonal Antibody [Clone ID: 3D5-C6-D5]

Product data:

Product Type:	Primary Antibodies
Clone Name:	3D5-C6-D5
Applications:	IP, WB
Recommended Dilution:	WB: 1:500
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	The immunogen for DCTN1 antibody: purified recombinant Dynactin 1 protein fragments expressed in E.coli
Formulation:	Purified mouse monoclonal antibody in PBS(pH 7.4) containing with 0.02% sodium azide and 50% glycerol.
Purification:	Affinity purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	150 kDa
Gene Name:	dynactin subunit 1
Database Link:	NP_004073 Entrez Gene 1639 Human Q14203



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Background:	This gene encodes the largest subunit of dynactin, a macromolecular complex consisting of 10 subunits ranging in size from 22 to 150kD. Dynactin binds to both microtubules and cytoplasmic dynein. Dynactin is involved in a diverse array of cellular functions, including ER-to-Golgi transport, the centripetal movement of lysosomes and endosomes, spindle formation, chromosome movement, nuclear positioning, and axonogenesis. This subunit interacts with dynein intermediate chain by its domains directly binding to dynein and binds to microtubules via a highly conserved glycine-rich cytoskeleton-associated protein (CAP-Gly) domain in its N-terminus. Alternative splicing of this gene results in multiple transcript variants encoding distinct isoforms. Mutations in this gene cause distal hereditary motor neuropathy type VIIB (HMN7B) which is also known as distal spinal and bulbar muscular atrophy (dsBMA). [provided by RefSeq, Oct 2008]
Synonyms:	DAP-150; DP-150; P135
Protein Families:	Druggable Genome
Protein Pathways:	Huntington's disease