

Dynactin 1 mAb

Catalog No.	IDS0086
Reactivity	Human; Mouse; Bovine; Pig
Applications	WB; IF/ICC
Alternative Names	Dynactin subunit 1; 150 kDa dynein-associated polypeptide DAP-150 (DP-150) p135 p150-glued; DCTN1
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.07% sodium azide.
Source	Mouse
Dilution	WB: 1:1000-1:2000; IF: 1:100-1:500
Purification	The antibody was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen.
Concentration	1 mg/ml
Storage&Stability	Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.
Subcellular Location	-
MW	~ 150 kDa
Background	This gene encodes the largest subunit of dynactin, a macromolecular complex consisting of 10 subunits ranging in size from 22 to 150 kD. 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 neuronopathy type VIIIB (HMN7B) which is also known as distal spinal and bulbar muscular atrophy (dSBMA).
Swiss-Prot	Q14203

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