

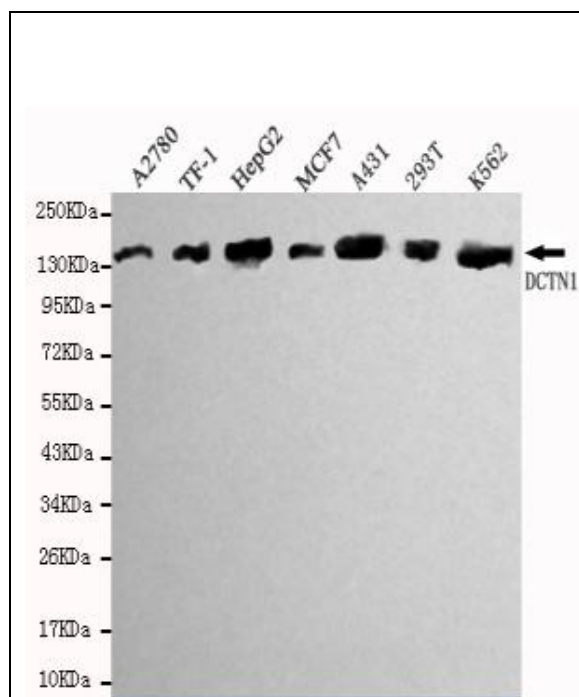


Dynactin 1(N-terminus)Antibody

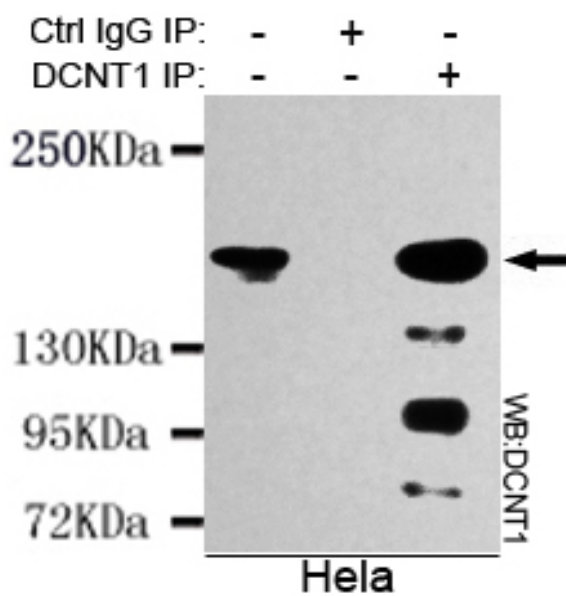
E2200090

Catalog Number:	E2200090
Size:	100ug
Host:	Mouse
Formulation:	Purified mouse monoclonal in buffer containing 0.1M Tris-Glycine (pH 7.4, 150 mM NaCl) with 0.2% sodium azide, 50%,glycerol
Sensitivity:	This antibody detects endogenous levels of Dynactin 1(N-terminus),and does not cross-react with related proteins.
Entrez summary:	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 neuronopathy type VIIB (HMN7B) which is also known as distal spinal and bulbar muscular atrophy (dSBMA).[provided by RefSeq, Oct 2008]
UniPort summary	Required for the cytoplasmic dynein-driven retrograde movement of vesicles and organelles
Function:	along microtubules. Dynein-dynactin interaction is a key component of the mechanism of axonal transport of vesicles and organelles.
Immunogen:	Purified recombinant Dynactin 1 protein fragments expressed in E.coli
Antibody Type:	Monoclonal antibody
Isotype:	IgG2b
Purified method:	Affinity purified
Subcellular location:	Cytoplasm
Reactivity:	Human
Applications:	WB,IP
Molecular Weight:	150kDa
UniProt number:	Q14203
GeneBank ID:	NM_004082
Gene symbol:	P135; DP-150; DAP-150
Alternate names:	150 kDa dynein-associated polypeptide DAP-150;Dynactin 1;DCTN1

For Research Use Only



Western blot detection of DCTN1 in A2780, TF-1, HepG2, MCF7, A431 & K562 cell lysate (1:1000 diluted). Predicted band size: 150KDa. Observed band size: 150KDa.



Immunoprecipitation analysis of HeLa cell lysates using DCTN1 antibody.