

Mouse anti-Human Dynactin 1 Monoclonal Antibody | anti-DCTN1 antibody

Dynactin 1 Antibody

CATALOG # AAA111295	HOST Mouse	REACTIVITY Human
-------------------------------	----------------------	----------------------------

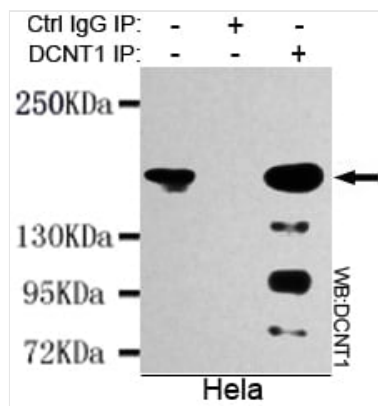
PRODUCT SYNONYMS

Dynactin 1; Monoclonal Antibody; Dynactin 1 Antibody; 150 kDa dynein-associated polypeptide DAP-150; P135; DP-150; DAP-150; anti-DCTN1 antibody

PRODUCT SPECIFICATIONS

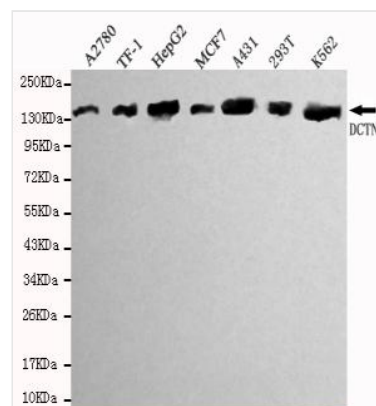
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2b
Specificity	This antibody detects endogenous levels of Dynactin 1(N-terminus), and does not cross-react with related proteins.
Purity/Purification	Affinity purified
Form/Format	Purified mouse monoclonal in buffer containing 0.1M Tris-Glycine (pH 7.4, 150 mM NaCl) with 0.2% sodium azide, 50%, glycerol
Sequence Length	1253
Immunogen	Purified recombinant Dynactin 1 protein fragments expressed in E Coli
Cellular Localization	Cytoplasm

IMAGES



Application Data

Immunoprecipitation analysis of HeLa cell lysates using DCTN1 antibody.



Application Data

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.

ADDITIONAL INFORMATION

Related Product Information for anti-DCTN1 antibody	UniPort Summary Function: Required for the cytoplasmic dynein-driven retrograde movement of vesicles and organelles along microtubules. Dynein-dynactin interaction is a key component of the mechanism of axonal transport of vesicles and organelles. 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]
Product Categories/Family for anti-DCTN1 antibody	Autophagy antibody; Cancer; Cardiovascular; Cell Biology; Epigenetics & Nuclear Signaling; Developmental Biologys; Immunology; Drug Discovery Products; Metabolism; Neuroscience; Signal Transduction; Stem Cells

NCBI AND UNIPROT INFORMATION

NCBI GI #	205277392
NCBI GeneID	1639
NCBI Accession #	NP_001128512.1
NCBI GenBank Nucleotide #	NM_004082
UniProt Accession #	Q14203; O95296; Q6IQ37; Q9BRM9; Q9UIU1; Q9UIU2; A8MY36; B4DM45; E9PFS5; E9PGE1; G5E9H4
Molecular Weight	150kDa
NCBI Official Full Name	dynactin subunit 1 isoform 3
NCBI Official Synonym Full Names	dynactin subunit 1
NCBI Official Symbol	DCTN1
NCBI Official Synonym Symbols	P135; DP-150; DAP-150
NCBI Protein Information	dynactin subunit 1
UniProt Protein Name	Dynactin subunit 1
UniProt Gene Name	DCTN1
UniProt Synonym Gene Names	DP-150

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.