

DNAxPAb

Hard-to-Find
Antibody

DCTN1 DNAxPab

Catalog # H00001639-W01P

Size 200 ug

Specification

Product Description Rabbit polyclonal antibody raised against a full-length human DCTN1 DNA using DNAx™ Immune technology.

Technology [DNAx™ Immune](#)

Immunogen Full-length human DNA

Sequence

MMRQAPTARKTTTRPKPTRPASTGVAGASSSLGPSGSASAGELSSSEPSTPAQTPLAAPIIPTP
VLTSPGAVPPLPSPSKEEEGLRAQVRDLEEKLETLRLKRAEDKAKLKELEKHKIQLEQVQEWKS
KMQEQQADLQRRLEKEARKEAKEALEAKERYMEEMADTADAEMATLDKEMAEERAESLQQEVE
ALKERVDELTTDLEILKAEIEEKGSDGAASSYQLKQLEEQNARLKDALVRMRDLSSEKQEHVKL
QKLMEKKNQELEVVRQQRERLQEELSQAESTIDELKEQVDAALGAEEMVEMLTDRNLNLEEKVR
ELRETVGDLEAMNEMNDELQENARETELELREQLDMAGARVREAQKRVEAAQETVADYQQTIKK
YRQLTAHLQDVNREL TNQQEASVERQQQPPPETFDKIKFAETKAHAKAIEMELRQMEVAQANR
HMSLLTAFMPDSFLRPGGDHDCVLVLLMPRLICKAELIRKQAQEFELSENCSERPGLRGAAGE
QLSFAAGLVYSLSLQATLHRYEHALSQCSVDVYKKVGSYPMSAHERSLDFLIELLHKDQLDET
VNVEPLTKAIKYYQHLYSIIHAEQPEDCTMQLADHIKFTQSALDCMSVEVGRLRAFLQGGQEATDI
ALLLRDLETSCSDIRQFCKKIRRRMPGTDAPGIPAALAFGPQVSDTLLDCRKHLTWVAVLQEVA
AAAAQLIAPLAENEGLLVAALEELAFKASEQYGTSPSSSPYECLRQSCNLISTMNKLATAMQEGEY
DAERPPSKPPPVELRAAALRAEITDAEGLGLKLEDRETVIKELKKSLKIKGEELSEANVRLSLLEK
KLDSAAKDADERIEKVQTRLEETQALLRKKEKEFEETMDALQADIDQLEAEKAEKQRLNSQSKR
TIEGLRGPPPSGIATLVSGIAGEEQQRGAIPGQAPGSPGGLVKDSPLLLQQISAMRLHISQLQHE
NSILKGAQMKASLASLPLHVAKLSHEGPGSELPAGALYRKTSQLETLNQLSTHSHVVDITRTSP
AAKSPSAQLMEQVAQLKSLSDTVEKLKDEVLKETVSQRPGATVPTDFATFPSSAFLRAKEEQQD
DTVYMGKVTFSCAAGFGQRHRLVLTQEQLHQLHSRLIS

Host Rabbit

Reactivity Human

Purification Protein A

Quality Control Testing Antibody reactive against mammalian transfected lysate.

Storage Buffer In 1x PBS, pH 7.4

Storage Instruction Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Immunofluorescence (Transfected cell)

- Flow Cytometry (Transfected cell)

Gene Info — DCTN1

Entrez GeneID [1639](#)

GeneBank Accession# [NM_023019.1](#)

Protein Accession# [NP_075408.1](#)

Gene Name DCTN1

Gene Alias DAP-150, DP-150, HMN7B, P135

Gene Description dynactin 1 (p150, glued homolog, Drosophila)

Omim ID [105400 601143 607641](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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 neuropathy type VIIIB (HMN7B) which is also known as distal spinal and bulbar muscular atrophy (dSBMA). [provided by RefSeq]

Other Designations 150 kDa dynein-associated polypeptide|dynactin 1|p150, Glued homolog|p150-glued

Disease

- [Amyotrophic lateral sclerosis](#)

- [Dementia](#)
- [Genetic Predisposition to Disease](#)
- [Multiple Sclerosis](#)
- [Parkinson disease](#)