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Product datasheet for TA361393

DCTN1 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human DCTN1
Specificity:	**Expected reactivity**: Human
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. *Note that this product is shipped as lyophilized powder to China customers.*
Concentration:	lot specific
Purification:	Affinity purified
Conjugation:	Unconjugated
Storage:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	140 kDa
Gene Name:	dynactin subunit 1
Database Link:	NP_001128512.1 Entrez Gene 1639 Human Q14203

View online »

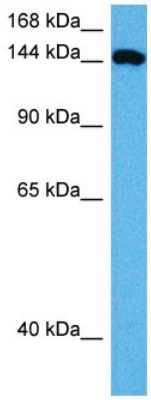
Background: This gene encodes the largest subunit of dynactin, a macromolecular complex consisting of 10 subunits ranging in size from 22 to 150 kD. Dynactin binds to both microtubules and cytoplasmic dynein. Dynactin is involved in a diverse array of cellular functions, including ER-to-Golgi transport, 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 VIIB (HMN7B) which is also known as distal spinal and bulbar muscular atrophy (dSBMA).

Synonyms: DAP-150; DP-150; HMN7B; OTTHUMP00000202491; P135; p150-glued

Protein Families: Druggable Genome

Protein Pathways: Huntington's disease

Product images:



Host: Rabbit
Target Name: DCTN1
Sample Type: HeLa Cell Lysate
Antibody Dilution: 1.0µg/ml

Host: Rabbit
Target Name: DCTN1
Sample Tissue: Human HeLa Whole Cell lysates
Antibody Dilution: 1ug/ml