

Polyclonal Antibody to Dynactin subunit 1 - Serum

Catalog No.: AP54899SU-N

Quantity: 0.2 ml

Background: The DCTN1 gene encodes the largest subunit of dynactin, a macromolecular complex consisting of 10-11 subunits ranging in size from 22 to 150 kD. Dynactin binds to both microtubules and cytoplasmic dynein. It 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. Alternative splicing of this gene results in at least 2 functionally distinct isoforms: a ubiquitously expressed one and a brain-specific one. Based on its cytogenetic location, this gene is considered as a candidate gene for limb-girdle muscular dystrophy.

Uniprot ID: [P13496](#)

NCBI: [NP_524061.1](#)

GeneID: [39536](#)

Host: Rabbit

Immunogen: Synthetic peptide derived from N-terminal domain of the Drosophila melanogaster DCTN1 protein.

Format: **State:** Lyophilized serum
Preservatives: None
Reconstitution: Restore in distilled water.

Applications: **ELISA.**
Western Blot: 1/500-1/5000.
Immunohistochemistry: 1/100-1/500.
Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity: This antibody reacts with 141 kDa DAP-150 from Drosophila melanogaster.

Storage: Prior to reconstitution store the antibody at -20°C.
Store reconstituted antibody at 2-8°C for one month or (in aliquots) at -20°C for longer
Avoid repeated freezing and thawing.
Shelf life: one year from despatch.
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