

DCTN1 Rabbit Polyclonal Antibody



CAB1783

Product Information

Size:

20uL, 50uL, 100uL, 200uL

Observed MW:

150kDa

Calculated MW:

126kDa/127kDa/136kDa/138kDa/140kDa/141kDa

Applications:

WB IF IP

Reactivity:

Human, Mouse, Rat

Antibody Information

Recommended dilutions:

WB 1:500 - 1:2000 IF 1:20 - 1:100 IP 1:50 - 1:100

Source:

Rabbit

Isotype:

IgG

Purification:

Affinity purification

Protein 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 neuropathy type VIIIB (HMN7B) which is also known as distal spinal and bulbar muscular atrophy (dSBMA).

Immunogen information

Gene ID:

1639

Uniprot

Q14203

Synonyms:

DCTN1; DAP-150; DP-150; P135

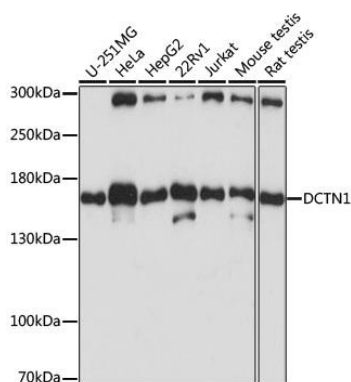
Immunogen:

Recombinant fusion protein containing a sequence corresponding to amino acids 945-1139 of human DCTN1 (NP_001128513.1).

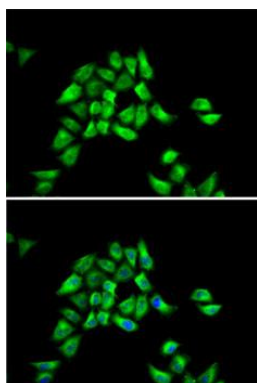
Storage:

Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

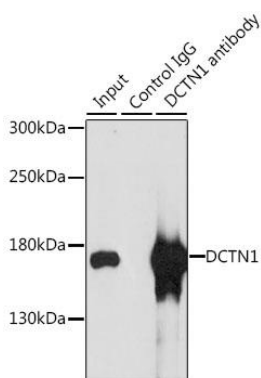
Product Images



Western blot analysis of extracts of various cell lines, using DCTN1 antibody (CAB1783) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (CABM00020). Exposure time: 10s.



Immunofluorescence analysis of HeLa cells using DCTN1 antibody (CAB1783). Blue: DAPI for nuclear staining.



Immunoprecipitation analysis of 200ug extracts of MCF-7 cells, using 3 ug DCTN1 antibody (CAB1783). Western blot was performed from the immunoprecipitate using DCTN1 antibody (CAB1783) at a dilution of 1:1000.