

A1783

Leader in Biomolecular Solutions for Life Science



DCTN1 Rabbit pAb

Catalog No.: A1783

Basic Information

Observed MW

150kDa

Calculated MW

142kDa

Category

Polyclonal Antibody

Applications

WB,IP,ELISA

Cross-Reactivity

Human,Mouse,Rat

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 VIIB (HMN7B) which is also known as distal spinal and bulbar muscular atrophy (dSBMA).

Recommended Dilutions

WB 1:500 - 1:2000

IP 0.5µg-4µg antibody for
200µg-400µg extracts of
whole cells

Immunogen Information

Gene ID

1639

Swiss Prot

Q14203

Immunogen

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

Synonyms

P135; DP-150; DAP-150; DCTN1

Contact



www.abclonal.com

Product Information

Source

Rabbit

Isotype

IgG

Purification

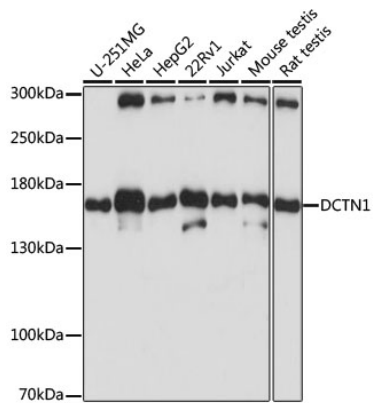
Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.

Validation Data



Immunoprecipitation analysis of 200 µg extracts of MCF-7 cells, using 3 µg DCTN1 antibody (A1783). Western blot was performed from the immunoprecipitate using DCTN1 antibody (A1783) at a dilution of 1:1000.

