A1783

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DCTN1 Rabbit pAb

Catalog No.: A1783 2 Publications

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 neuronopathy 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
ELISA	Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements.

Contact

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Immunogen Information

Gene ID
1639

Swiss Prot
Q14203

Immunogen
Recombinant protein (or fragment).This information is considered to be commercially sensitive.

Synonyms
P135; DP-150; DAP-150; DCTN1

Product Information

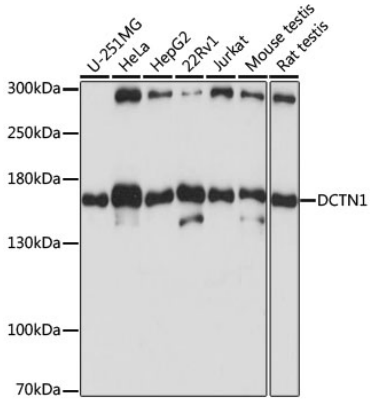
Source
Rabbit

Isotype
IgG

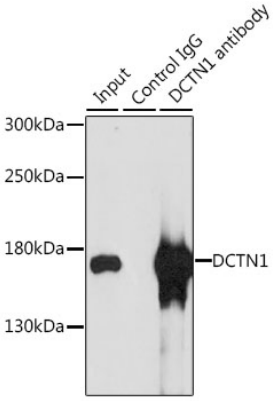
Purification
Affinity purification

Storage
Store at -20℃

Validation Data



Western blot analysis of various lysates using DCTN1 Rabbit pAb (A1783) at 1:1000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 10s.



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.