

# DCTN1 Rabbit pAb

Catalog No.: A1783

## Basic Information

### Observed MW

150kDa

### Calculated MW

142kDa

### Category

Primary antibody

### Applications

ELISA,WB,IP

### 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

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

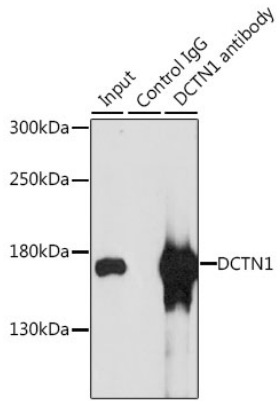
Affinity purification

### Storage

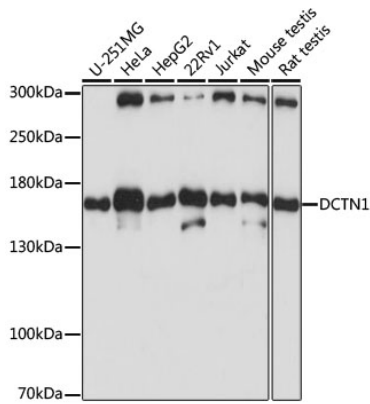
Store at -20°C. Avoid freeze / thaw cycles.

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.



Western blot analysis of various lysates using DCTN1 Rabbit pAb (A1783) at 1:1000 dilution. Secondary antibody: HRP 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.