

DCTN1 Polyclonal Antibody

Catalog No.	A1783	Category	Polyclonal Antibodies
Applications	WB, IF, IP	Observed MW	150kDa
Cross-reactivity	Human, Mouse, Rat	Calculated MW	126kDa/127kDa/136kDa/138kDa/140kDa/141kDa

Immunogen Information

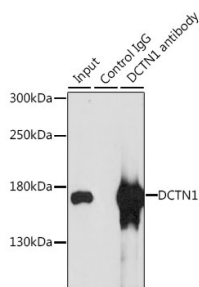
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 945-1139 of human DCTN1 (NP_001128513.1).
Gene ID	1639
Swiss prot	Q14203
Synonyms	DCTN1; DAP-150; DP-150; P135; dynactin subunit 1

Product information

Source	Rabbit
Isotype	IgG
Purification method	Affinity purification
Storage	Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

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).



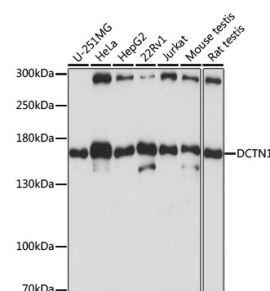
Immunoprecipitation - DCTN1 Polyclonal Antibody (A1783)

Recommended Dilutions

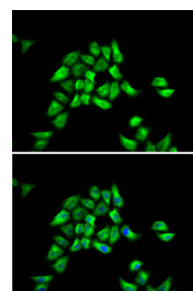
WB 1:500 -
1:2000

IF 1:20 - 1:100

IP 1:50 - 1:100



Western blot - DCTN1 Polyclonal Antibody (A1783)



Immunofluorescence - DCTN1 Polyclonal Antibody (A1783)