

Anti-p150 glued/DCTN1 Antibody (Monoclonal, 31D17)

Catalog Number: M02175-2

About DCTN1

Dynactin subunit 1 is a protein that in humans is encoded by the DCTN1 gene. 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).

Overview

Product Name	Anti-p150 glued/DCTN1 Antibody (Monoclonal, 31D17)
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-p150 glued/DCTN1 Antibody (Monoclonal, 31D17) catalog # M02175-2. Tested in WB, IHC, IF, ICC/IF, IP, Flow Cytometry applications. This antibody reacts with Human, Mouse, Rat.
Application	Flow Cytometry, IP, IF, IHC, ICC, WB
Clonality	Monoclonal 31D17
Formulation	Rabbit IgG in stabilizing components, phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	Q14203

Technical Details

Immunogen	Recombinant protein within human DCTN1 aa 1053-1276.
Form	Liquid
Concentration	500 ug/ml
Purification	Protein A affinity purified.

Suggested Dilutions

Western blot, 1:500-2000
Immunohistochemistry, 1:50-200
Immunofluorescence, 1:50-200
Immunocytochemistry/Immunofluorescence, 1:50-200
ImmunoPrecipitation, 1:50
Flow Cytometry (Fixed), 1:50-200

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