Resource Summary Report

Generated by FDI Lab - SciCrunch.org on Apr 17, 2025

Beta-Dystroglycan

RRID:AB_442043
Type: Antibody

Proper Citation

(Leica Biosystems Cat# NCL-b-DG, RRID:AB_442043)

Antibody Information

URL: http://antibodyregistry.org/AB_442043

Proper Citation: (Leica Biosystems Cat# NCL-b-DG, RRID:AB_442043)

Target Antigen: Synthetic peptide containing 15 of the last 16 amino acids at the extreme C-terminus of the human beta-dystroglycan sequence (PKNMTPYRSPPPYVP-PCOOH).

Host Organism: mouse

Clonality: monoclonal

Comments: Used By NYUIHC-431
Info: Independent validation by the NYU Lagone was performed for: IHC. This antibody was found to have the following characteristics: Functional in human:TRUE, NonFunctional in human:FALSE, Functional in animal:FALSE, NonFunctional in animal:FALSE

Antibody Name: Beta-Dystroglycan

Description: This monoclonal targets Synthetic peptide containing 15 of the last 16 amino acids at the extreme C-terminus of the human beta-dystroglycan sequence (PKNMTPYRSPPPYVP-PCOOH).

Clone ID: [43DAG1/8D5]

Antibody ID: AB_442043

Vendor: Leica Biosystems

Catalog Number: NCL-b-DG

Record Creation Time: 20231110T044517+0000

Record Last Update: 20241115T091115+0000

Ratings and Alerts

- Independent validation by the NYU Lagone was performed for: IHC. This antibody was found to have the following characteristics: Functional in human:TRUE, NonFunctional in human:FALSE, Functional in animal:FALSE, NonFunctional in animal:FALSE - NYU Langone's Center for Biospecimen Research and Development https://med.nyu.edu/research/scientific-cores-shared-resources/center-biospecimen-research-development

No alerts have been found for Beta-Dystroglycan.

Data and Source Information

Source: Antibody Registry

Usage and Citation Metrics

We found 15 mentions in open access literature.

Listed below are recent publications. The full list is available at FDI Lab - SciCrunch.org.

Swiderski K, et al. (2024) Dystrophin S3059 phosphorylation partially attenuates denervation atrophy in mouse tibialis anterior muscles. Physiological reports, 12(13), e16145.

Jahncke JN, et al. (2024) Inhibitory CCK+ basket synapse defects in mouse models of dystroglycanopathy. eLife, 12.

Okuma H, et al. (2023) N-terminal domain on dystroglycan enables LARGE1 to extend matriglycan on ?-dystroglycan and prevents muscular dystrophy. eLife, 12.

Kálmán M, et al. (2023) Three-plane description of astroglial architecture and gliovascular connections of area postrema in rat: Long tanycyte connections to other parts of brainstem. The Journal of comparative neurology, 531(8), 866.

Morgner J, et al. (2023) A Lamb1Dendra2 mouse model identifies basement-membrane-producing origins and dynamics in PyMT breast tumors. Developmental cell, 58(7), 535.

Gorokhova S, et al. (2023) Unusually severe muscular dystrophy upon in-frame deletion of the dystrophin rod domain and lack of compensation by membrane-localized utrophin. Med (New York, N.Y.), 4(4), 245.

George KK, et al. (2022) Mild Traumatic Brain Injury/Concussion Initiates an Atypical

Astrocyte Response Caused by Blood-Brain Barrier Dysfunction. Journal of neurotrauma, 39(1-2), 211.

Taglietti V, et al. (2022) Duchenne muscular dystrophy trajectory in R-DMDdel52 preclinical rat model identifies COMP as biomarker of fibrosis. Acta neuropathologica communications, 10(1), 60.

Walimbe AS, et al. (2020) POMK regulates dystroglycan function via LARGE1-mediated elongation of matriglycan. eLife, 9.

Kálmán M, et al. (2019) Three-plane description of astroglial populations of OVLT subdivisions in rat: Tanycyte connections to distant parts of third ventricle. The Journal of comparative neurology, 527(17), 2793.

Hunter DD, et al. (2019) CNS synapses are stabilized trans-synaptically by laminins and laminin-interacting proteins. The Journal of comparative neurology, 527(1), 67.

Yuan J, et al. (2018) Genetic Modulation of RNA Splicing with a CRISPR-Guided Cytidine Deaminase. Molecular cell, 72(2), 380.

Poitelon Y, et al. (2018) A dual role for Integrin ?6?4 in modulating hereditary neuropathy with liability to pressure palsies. Journal of neurochemistry, 145(3), 245.

Seemann E, et al. (2017) Deciphering caveolar functions by syndapin III KO-mediated impairment of caveolar invagination. eLife, 6.

Puthussery T, et al. (2011) Immunohistochemical identification and synaptic inputs to the diffuse bipolar cell type DB1 in macaque retina. The Journal of comparative neurology, 519(18), 3640.