

Resource Summary Report

Generated by [RRID](#) on Jul 29, 2026

Anti-alpha-Dystroglycan, clone IIH6C4

RRID:AB_309828

Type: Antibody

Proper Citation

Millipore Cat# 05-593, RRID:AB_309828

Antibody Information

URL: http://antibodyregistry.org/AB_309828

Proper Citation: Millipore Cat# 05-593, RRID:AB_309828

Target Antigen: alpha-Dystroglycan clone IIH6C4

Host Organism: mouse

Clonality: monoclonal

Comments: seller recommendations: IgG2; IgG2 IH, FUNC, WB; Immunohistochemistry; Functional Assay; Western Blot

Antibody Name: Anti-alpha-Dystroglycan, clone IIH6C4

Description: This monoclonal targets alpha-Dystroglycan clone IIH6C4

Target Organism: h, gp, m, rb, r, rabbit, ca

Defining Citation: [PMID:21452199](#)

Antibody ID: AB_309828

Vendor: Millipore

Catalog Number: 05-593

Record Creation Time: 20250819T231101+0000

Record Last Update: 20250820T043302+0000

Ratings and Alerts

No rating or validation information has been found for Anti-alpha-Dystroglycan, clone IIH6C4.

No alerts have been found for Anti-alpha-Dystroglycan, clone IIH6C4.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 16 mentions in open access literature.

Listed below are recent publications. The full list is available at [RRID](#) .

Jahncke JN, et al. (2025) Distinct functional domains of Dystroglycan regulate inhibitory synapse formation and maintenance in cerebellar Purkinje cells. *Communications biology*, 8(1), 878.

Jahncke JN, et al. (2024) Tools for Cre-Mediated Conditional Deletion of Floxed Alleles from Developing Cerebellar Purkinje Cells. *eNeuro*, 11(6).

Rosner M, et al. (2024) Oct4 controls basement membrane development during human embryogenesis. *Developmental cell*, 59(11), 1439.

Ma K, et al. (2024) Saturation mutagenesis-reinforced functional assays for disease-related genes. *Cell*, 187(23), 6707.

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

Jahncke JN, et al. (2024) Tools for Cre-mediated conditional deletion of floxed alleles from developing cerebellar Purkinje cells. *bioRxiv : the preprint server for biology*.

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

Ortiz-Cordero C, et al. (2021) NAD⁺ enhances ribitol and ribose rescue of α -dystroglycan functional glycosylation in human FKRP-mutant myotubes. *eLife*, 10.

Morcom L, et al. (2021) DCC regulates astroglial development essential for telencephalic morphogenesis and corpus callosum formation. *eLife*, 10.

Miller DS, et al. (2021) Neuronal Dystroglycan regulates postnatal development of CCK/cannabinoid receptor-1 interneurons. *Neural development*, 16(1), 4.

Dhoke NR, et al. (2021) A universal gene correction approach for FKRP-associated dystroglycanopathies to enable autologous cell therapy. *Cell reports*, 36(2), 109360.

Morioka S, et al. (2020) Congenital hearing impairment associated with peripheral cochlear nerve dysmyelination in glycosylation-deficient muscular dystrophy. *PLoS genetics*, 16(5), e1008826.

Jimenez-Gutierrez GE, et al. (2020) Loss of Dystroglycan Drives Cellular Senescence via Defective Mitosis-Mediated Genomic Instability. *International journal of molecular sciences*, 21(14).

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

Uezu A, et al. (2019) Essential role for InSyn1 in dystroglycan complex integrity and cognitive behaviors in mice. *eLife*, 8.

Lindenmaier LB, et al. (2019) Dystroglycan is a scaffold for extracellular axon guidance decisions. *eLife*, 8.