

Product Datasheet

Dystroglycan Antibody NBP2-14868

Unit Size: 0.1 ml

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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NBP2-14868**Dystroglycan Antibody****Product Information**

Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.025% Proclin 300
Isotype	IgG
Purity	Antigen Affinity-purified
Buffer	PBS (pH 7), 20% Glycerol
Target Molecular Weight	97 kDa

Product Description

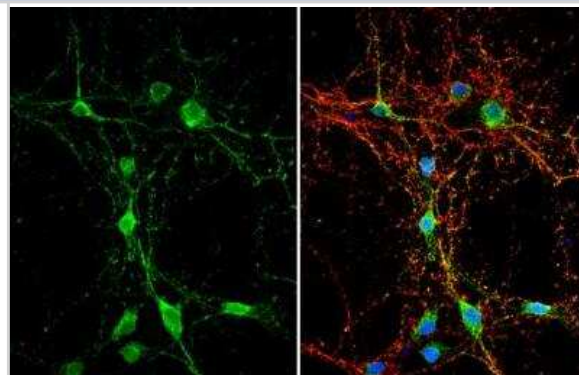
Host	Rabbit
Gene ID	1605
Gene Symbol	DAG1
Species	Human, Mouse, Rat, Equine
Immunogen	Recombinant protein encompassing a sequence within the center region of human Dystroglycan. The exact sequence is proprietary.

Product Application Details

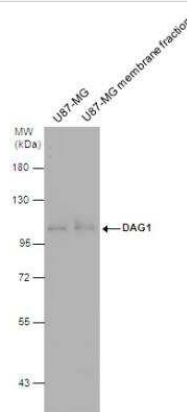
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1:500-1:3000, Immunohistochemistry 1:100-1:1000, Immunocytochemistry/ Immunofluorescence 1:100-1:1000, Immunohistochemistry-Paraffin 1:100-1:1000

Images

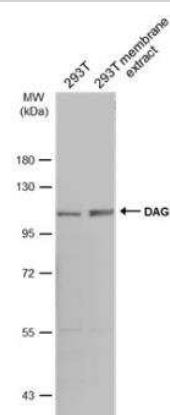
Immunocytochemistry/Immunofluorescence: Dystroglycan Antibody [NBP2-14868] - DIV10 rat E18 primary hippocampal neuron cells were fixed in 4% paraformaldehyde at RT for 15 min. Green: DAG1 stained by DAG1 antibody diluted at 1:500. Red: Tau, stained by Tau antibody [287] diluted at 1:500. Blue: Fluoroshield with DAPI.



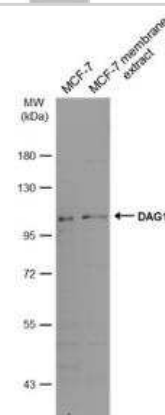
Western Blot: Dystroglycan Antibody [NBP2-14868] - U87-MG whole cell extracts and membrane extracts (30 ug) were separated by 7.5% SDS-PAGE, and the membrane was blotted with DAG1 antibody diluted at 1:500.



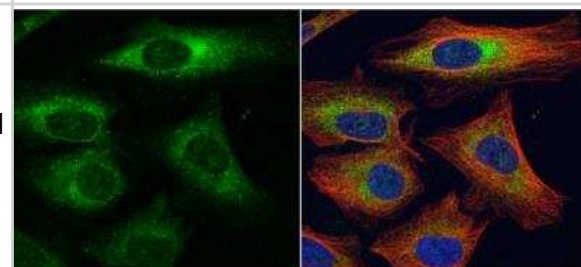
Western Blot: Dystroglycan Antibody [NBP2-14868] - 293T whole cell and membrane extracts (30 ug) were separated by 7.5% SDS-PAGE, and the membrane was blotted with Dystroglycan Antibody diluted at 1:500. The HRP-conjugated anti-rabbit IgG antibody (NBP2-19301) was used to detect the primary antibody



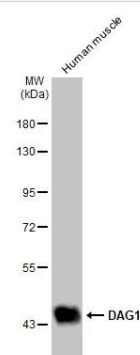
Western Blot: Dystroglycan Antibody [NBP2-14868] - MCF-7 whole cell and membrane extracts (30 ug) were separated by 7.5% SDS-PAGE, and the membrane was blotted with Dystroglycan Antibody diluted at 1:500. The HRP-conjugated anti-rabbit IgG antibody (NBP2-19301) was used to detect the primary antibody.



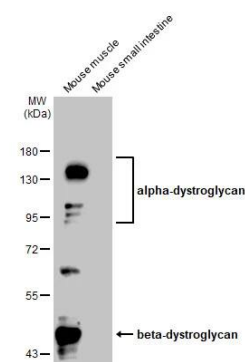
Immunocytochemistry/Immunofluorescence: Dystroglycan Antibody [NBP2-14868] - HeLa cells were fixed in 4% paraformaldehyde at RT for 15 min. Green: Dystroglycan protein stained by Dystroglycan antibody (38) diluted at 1:1000. Red: alpha Tubulin, a cytoskeleton marker, stained by alpha Tubulin antibody [B-5-1-2] diluted at 1:10000. Blue: Hoechst 33342 staining.



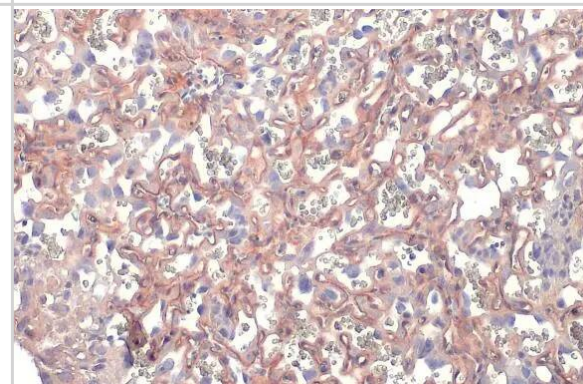
Western Blot: Dystroglycan Antibody [NBP2-14868] - Human tissue extract (30 ug) was separated by 7.5% SDS-PAGE, and the membrane was blotted with Dystroglycan antibody (NBP2-14868) diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.



Western Blot: Dystroglycan Antibody [NBP2-14868] - Various tissue extracts (30 ug) were separated by 7.5% SDS-PAGE, and the membrane was blotted with Dystroglycan antibody (NBP2-14868) diluted at 1:500. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody, and the signal was developed with Trident ECL plus-Enhanced.



Immunohistochemistry-Paraffin: Dystroglycan Antibody [NBP2-14868] - Dystroglycan antibody detects Dystroglycan protein at cell membrane and cytoplasm by immunohistochemical analysis. Sample: Paraffin-embedded mouse placenta. Dystroglycan stained by Dystroglycan antibody (NBP2-14868) diluted at 1:500. Antigen Retrieval: Citrate buffer, pH 6.0, 15 min



Publications

Pestronk A Chronic Graft Versus Host Myopathies: Noninflammatory, Multi-Tissue Pathology With Glycosylation Disorders J. Neuropathol. Exp. Neurol. 2020-01-01 [PMID: 31803918]

Johnson K, Bertoli M, Phillips L et al. Detection of variants in dystroglycanopathy-associated genes through the application of targeted whole-exome sequencing analysis to a large cohort of patients with unexplained limb-girdle muscle weakness Skelet Muscle 2018-07-30 [PMID: 30060766] (IF/IHC, Human)



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Products Related to NBP2-14868

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
H00001605-Q01-10ug	Recombinant Human Dystroglycan GST (N-Term) Protein

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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