bs-5152R

[Primary Antibody]

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IHC-F (1:100-500)

(predicted: Human, Rabbit, Pig, Chicken, Dog, Horse)

IF (1:200-800)

Subcellular Secreted ,Extracellular

Location: matrix, Cell membrane

,Cytoplasm ,Nucleus

Applications: IHC-P (1:100-500)

Reactivity: Mouse, Rat

Predicted 98 kDa

MW.:

Alpha Dystroglycan Rabbit pAb

DATASHEET -

Host: Rabbit Isotype: IgG

Clonality: Polyclonal

GenelD: 1605 SWISS: Q14118

Target: Alpha Dystroglycan

Immunogen: KLH conjugated synthetic peptide derived from human DAG1:

451-550/895.

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50%

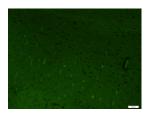
Glycerol.

Shipped at 4°C. Store at -20°C for one year. Avoid repeated

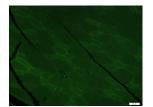
freeze/thaw cycles.

Background: Dystroglycan is a laminin binding component of the dystrophinglycoprotein complex which provides a linkage between the subsarcolemmal cytoskeleton and the extracellular matrix. Dystroglycan 1 is a candidate gene for the site of the mutation in autosomal recessive muscular dystrophies. The dramatic reduction of dystroglycan 1 in Duchenne muscular dystrophy leads to a loss of linkage between the sarcolemma and extracellular matrix, rendering muscle fibers more susceptible to necrosis. Dystroglycan also functions as dual receptor for agrin and laminin-2 in the Schwann cell membrane. The muscle and nonmuscle isoforms of dystroglycan differ by carbohydrate moieties but not protein sequence. Alternative splicing results in multiple transcript variants all encoding the same protein.[provided by RefSeq, Apr 2010]

VALIDATION IMAGES



Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes: Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Alpha Dystroglycan) Polyclonal Antibody, Unconjugated (bs-5152R) at 1:400 overnight at 4°C, followed by a conjugated Goat Anti-Rabbit IgG antibody (bs-0295G-FITC) for 90 minutes, and DAPI for nuclei staining.



Paraformaldehyde-fixed, paraffin embedded (Rat skeletal muscle); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes: Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Alpha Dystroglycan) Polyclonal Antibody, Unconjugated (bs-5152R) at 1:400 overnight at 4°C, followed by a conjugated Goat Anti-Rabbit IgG antibody (bs-0295G-FITC) for 90 minutes, and DAPI for nuclei staining.

— SELECTED CITATIONS —

• [IF=2.5] Daniel T. Meehan. et al. Alpha-dystroglycan receptor signaling likely influences basement membrane laminin α2 mediated pathology in the stria vascularis of Alport mice, HEARING RES, 2025 Oct;466:109383 IF; Mouse, 40773858