

Product Datasheet

Dystroglycan [p Tyr893] Antibody (Poly6171) NB100-78388-50ul

Unit Size: 50 ul

Store at -20C. Avoid freeze-thaw cycles.

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NB100-78388-50ul

Dystroglycan [p Tyr893] Antibody (Poly6171)

Product Information

Unit Size	50 ul
Concentration	0.5 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	Poly6171
Preservative	0.09% Sodium Azide
Isotype	IgG
Purity	Protein A or G purified
Buffer	PBS (pH 7.2) and 50% Glycerol

Product Description

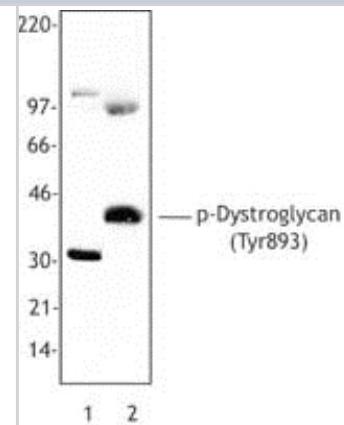
Host	Rabbit
Gene ID	1605
Gene Symbol	DAG1
Species	Human
Reactivity Notes	Human, reacts with Tyr893-phosphorylated dystroglycan.
Specificity/Sensitivity	Binds to utrophin when unphosphorylated, c-Src, Fyn, Csk, NCK, and SHC when phosphorylated. Binds to WW domain in dystrophin
Immunogen	Modified peptide
Notes	Distribution: Beta subunit integral membrane protein, Alpha subunit extracellular; ubiquitously expressed. Muscle and non-muscle isoforms differ by carbohydrate moieties (not protein sequence) Function: Adhesion molecule responsible for interactions between extracellular matrix and subsarcolemmal cytoskeleton. Binds to lamin in the matrix and dystrophin in the cytoskeleton Regulation: Phosphorylation regulates the association of interacting proteins Interaction: Binds to utrophin when unphosphorylated, c-Src, Fyn, Csk, NCK, and SHC when phosphorylated. Binds to WW domain in dystrophin

Product Application Details

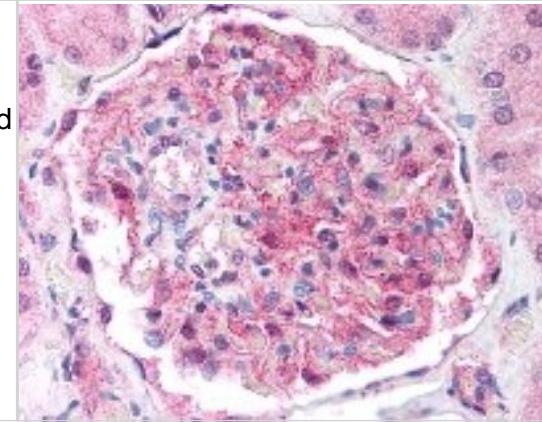
Applications	Western Blot, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1:100-1:2000, Immunohistochemistry 1:10-1:500, Immunohistochemistry-Paraffin 1:10-1:500
Application Notes	Each lot of this antibody is quality control tested by Western blotting. Western blotting, suggested working dilution(s): Use 10 µl per 5 ml antibody dilution buffer for each mini-gel. It is recommended that the reagent be titrated for optimal performance for each application.

Images

Western Blot: Dystroglycan [p Tyr893] Antibody (Poly6171) [NB100-78388] - la cells were treated with sodium butyrate for 16 hrs (lane 2) or were untreated (lane 1) and cell extracts prepared. Extracts were western blotted with Poly6171. Proteins were visualized using a donkey anti-rabbit secondary conjugated to HRP and a chemiluminescence detection system.



Immunohistochemistry-Paraffin: Dystroglycan [p Tyr893] Antibody (Poly6171) [NB100-78388] - Formalin-fixed paraffin-embedded human kidney tissue was stained with Poly6145 and developed with an alkaline phosphatase chromogen substrate (red color). Tissue was counterstained with H&E (blue/pink). Magnification, 40X.





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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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