

Mouse b-Dystroglycan (Tyr-892) Monoclonal Antibody

beta-Dystroglycan (Tyr-892), phospho-specific

CATALOG # AAA71498	HOST Mouse	REACTIVITY Human, Rat, Mouse	APPLICATIONS Western Blot, ELISA
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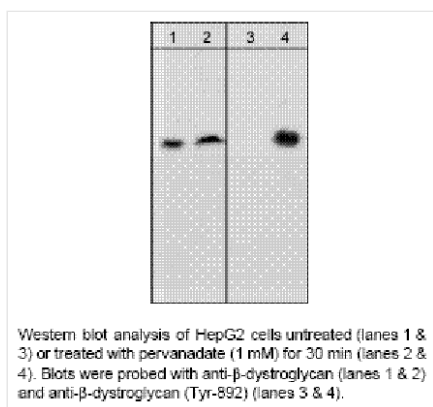
PRODUCT SYNONYMS

b-Dystroglycan (Tyr-892); Monoclonal Antibody; beta-Dystroglycan (Tyr-892); phospho-specific; Dystrophin-associated glycoprotein 1; beta-DG; DAG1; anti-b-Dystroglycan (Tyr-892) antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Rat, Mouse
Clonality	Monoclonal
Isotype	IgG1
Specificity	The antibody detects a 43 kDa* protein on SDS-PAGE immunoblots of human HepG2 or HeLa cells treated with pervanadate, but not in control cells.
Purity/Purification	Protein A Purified
Form/Format	Mouse monoclonal antibody purified with protein A chromatography is supplied in 100ml phosphate-buffered saline, 50% glycerol, 1 mg/ml BSA, and 0.05% sodium azide.
Applicable Applications for anti-b-Dystroglycan (Tyr-892) antibody	WB (Western Blot), ELISA
Immunogen	Clone (M117) was generated from a synthetic peptide (coupled to KLH) corresponding to amino acid residues around tyrosine 892 of human dystroglycan. This peptide sequence has high homology to the conserved tyrosine site in rat and mouse dystroglycan.
Preparation and Storage	Store at -20 degree C. Do not aliquot. Stable for 1 year.

IMAGES



Application Data

ADDITIONAL INFORMATION

Related Product Information for anti-b-Dystroglycan (Tyr-892) antibody	Dystroglycans are essential elements of the neuromuscular junction (NMJ). The gene for dystroglycan is expressed as a precursor protein that is post-translationally cleaved into a 156 kDa extracellular peripheral membrane protein called a-dystroglycan and a 43 kDa transmembrane protein, b-dystroglycan. The latter protein contains a PPxY motif that promotes binding to WW domain-containing proteins, such as utrophin and dystrophin. Phosphorylation at tyrosine 892 within the PPxY motif may regulate c-Src interactions with beta-dystroglycan, as well as inhibit interactions with WW domain proteins. In skeletal muscle, beta-dystroglycan is normally localized to the plasma membrane, however phosphorylation of Tyr-892 leads to localization of beta-dystroglycan to endosomal compartments along with c-Src. Thus, phosphorylation at Tyr-892 may have important roles in altering the localization of beta-dystroglycan during NMJ formation.
References	• James, M. et al. (2000) J Cell Sci. 113(Pt 10):1717-1726. • Sotgia, F. et al. (2003) Biochem. 42(23):7110-7123.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/b-dystroglycan-tyr-892-antibody-western-blot-elisa/71498>