Datasheet for ABIN880342

anti-Dystroglycan antibody (pTyr892) (AbBy Fluor® 555)

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Overview

Quantity:	100 µL
Target:	Dystroglycan (DAG1)
Binding Specificity:	pTyr892
Reactivity:	Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Dystroglycan antibody is conjugated to AbBy Fluor® 555
Application:	Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic phosphopeptide derived from human DAG1 around the phosphorylation site of Tyr892
Isotype:	IgG
Cross-Reactivity:	Rat
Predicted Reactivity:	Human,Mouse,Cow,Pig,Horse,Rabbit,Guinea Pig
Purification:	Purified by Protein A.

Target Details

Target:	Dystroglycan (DAG1)

Target Details

Alternative Name:	DAG1 (DAG1 Products)
Background:	Synonyms: DAG1 Tyr892, DAG1 Y892, p-DAG1Tyr892, Alpha Dystroglycan phospho Y892, AGRNR, Alpha-DG, Beta-DG, Beta-dystroglycan, beta Dystroglycan, DAG, Dag1, DAG1_HUMAN, Dystroglycan 1 dystrophin-associated glycoprotein 1, Dystroglycan, Dystrophin-associated glycoprotein 1, 156DAG, A3a, Dystrophin-associated glycoprotein 1. Background: Dystroglycan is a laminin binding component of the dystrophin-glycoprotein 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]
Gene ID:	1605
Pathways:	Maintenance of Protein Location, Regulation of Carbohydrate Metabolic Process, Protein targeting to Nucleus

Application Details

Application Notes:	IF(IHC-P) 1:50-200
	IF(IHC-F) 1:50-200
	IF(ICC) 1:50-200

Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 μg/μL
Buffer:	Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be

Handling

	handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
Expiry Date:	12 months