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Datasheet for ABIN755604

anti-Dystroglycan antibody (AA 451-550) (Biotin)

Overview

Quantity:	100 µL
Target:	Dystroglycan (DAG1)
Binding Specificity:	AA 451-550
Reactivity:	Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Dystroglycan antibody is conjugated to Biotin
Application:	ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human DAG1
Isotype:	IgG
Cross-Reactivity:	Mouse, Rat
Predicted Reactivity:	Human,Dog,Pig,Horse,Chicken,Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	Dystroglycan (DAG1)
Alternative Name:	Alpha Dystroglycan (DAG1 Products)

Target Details

Background:	<p>Synonyms: 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.</p> <p>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]</p>
Gene ID:	1605
UniProt:	Q14118
Pathways:	Maintenance of Protein Location , Regulation of Carbohydrate Metabolic Process , Protein targeting to Nucleus

Application Details

Application Notes:	IHC-P 1:200-400 IHC-F 1:100-500
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 handled by trained staff only.
Storage:	-20 °C

Handling

Storage Comment:	Store at -20°C for 12 months.
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Expiry Date:	12 months
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