

Alpha Dystroglycan Antibody FITC Conjugated

Catalog No: #C05576F

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

Description

Product Name	Alpha Dystroglycan Antibody FITC Conjugated
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Purified by Protein A.
Applications	IF
Species Reactivity	Hu Ms Rt
Immunogen Description	KLH conjugated synthetic peptide derived from human DAG1
Conjugates	FITC
Target Name	Alpha Dystroglycan
Other Names	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.
Accession No.	NCBI Gene ID1605
Uniprot	Q14118
GeneID	1605;
Excitation Emission	494nm 518nm
Concentration	1mg ml
Formulation	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Application Details

IF=1:200-800

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]

Note: This product is for in vitro research use only