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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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DAG1 monoclonal antibody (M01), clone 2A3

Catalog # : H00001605-M01

規格 : [100 ug]

[List All](#)

Specification

Product Description: Mouse monoclonal antibody raised against a partial recombinant DAG1.

Immunogen: DAG1 (AAH12740, 31 a.a. ~ 140 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

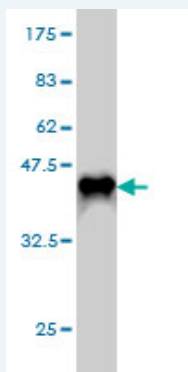
Sequence: WPSEPSEAVRDWENQLEASMHSVLSDLHEAVPTVWGIPDGTAVVGRSF
RVTIPTDLIASSGDIKVSAGKEALPSWLHWDSQSHTLEGLPLDTDKGVH
YISVSATRLGA

Host: Mouse

Reactivity: Human

Isotype: IgG2a Kappa

Quality Control Testing: Antibody Reactive Against Recombinant Protein.



Western Blot detection against Immunogen (37.84 KDa) .

Storage Buffer: In 1x PBS, pH 7.4

Storage Instruction: Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

MSDS: [Download](#)

Datasheet: [Download](#)

Publication Reference

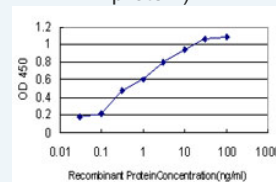
1. Type 2 Diabetes Biomarkers and Uses Thereof.
Paramithiotis E, Prentki M, Rabasa-Ihoret R, Croteau P, Lanoix J, Madiraju MSR, Joly E. United States Patent Application. 2015 Nov. 20150330997A1
2. The N-terminal domain of α -dystroglycan, released as a 38kDa protein, is increased in cerebrospinal fluid in patients with Lyme neuroborreliosis.
Hesse C, Johansson I, Mattsson N, Bremell D, Andreasson U, Halim A, Anckarsater R, Blennow K, Anckarsater H, Zetterberg H, Larson G, Hagberg L, Grahn A. Biochem Biophys Res Commun. 2011 Sep 2;412(3):494-9. Epub 2011 Aug 6.

Applications

Application Image

Western Blot (Recombinant protein)

Sandwich ELISA (Recombinant protein)



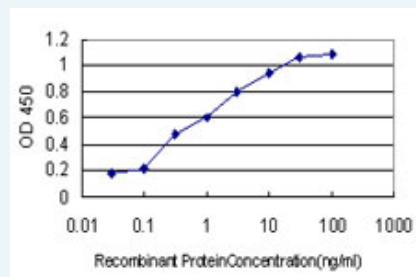
[enlarge](#)

ELISA

Western Blot (Recombinant protein)

 [Protocol Download](#)

Sandwich ELISA (Recombinant protein)



Detection limit for recombinant GST tagged DAG1 is approximately 0.03ng/ml as a capture antibody.

 [Protocol Download](#)

ELISA

Gene Information

Entrez GeneID: [1605](#)

GeneBank [BC012740](#)

Accession#:

Protein [AAH12740](#)

Accession#:

Gene Name: DAG1

Gene Alias: 156DAG,A3a,AGRNR,DAG

Gene Description: dystroglycan 1 (dystrophin-associated glycoprotein 1)

Omim ID: [128239](#)

Gene Ontology: [Hyperlink](#)

Gene Summary: 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

Other Designations: alpha-dystroglycan,beta-dystroglycan,dystroglycan 1,dystrophin-associated glycoprotein-1

Gene Pathway

[Arrhythmogenic right ventricular cardiomyopathy \(ARVC\)](#) [ECM-receptor interaction](#)
[Hypertrophic cardiomyopathy \(HCM\)](#)

Related Disease

[Bronchopulmonary Dysplasia](#) [Cardiovascular Diseases](#) [Crohn Disease](#)
[Diabetes Mellitus, Type 2](#) [Edema](#) [Genetic Predisposition to Disease](#) [Schizophrenia](#)

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