

Datasheet for ABIN7543384

Recombinant anti-Dystroglycan antibody[Go to Product page](#)

Overview

Quantity:	200 µg
Target:	Dystroglycan (DAG1)
Reactivity:	Human
Host:	Rabbit
Antibody Type:	Recombinant Antibody
Clonality:	Chimeric
Conjugate:	This Dystroglycan antibody is un-conjugated
Application:	ELISA, Flow Cytometry (FACS)

Product Details

Purpose:	Anti-Beta Dystroglycan [P38G1], Rabbit IgG, kappa
Immunogen:	The original antibody was generated by immunizing BALB/c mice with a mixture of transfected HEK 293 cells expressing human and mouse beta-DAG.
Clone:	P38G1
Isotype:	IgG kappa
Specificity:	This antibody recognizes human and mouse beta dystroglycan (β-DAG). Beta-dystroglycan is a transmembrane protein that plays an important role in connecting the extracellular matrix to the cytoskeleton. It plays an important role in linking dystrophin to the laminin-binding alpha-dystroglycan. It acts as a cell adhesion receptor in both muscle and non-muscle tissues. It also functions in cell adhesion-mediated signaling and implicated in cell polarity.
Cross-Reactivity:	Mouse

Product Details

Characteristics:	Original Species of Ab: Mouse Original Format of Ab: IgG1
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Purification:	Protein A affinity purified
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Target Details

Target:	Dystroglycan (DAG1)
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Alternative Name:	Beta Dystroglycan (DAG1 Products)
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Background:	Dystroglycan 1, Dag1, Beta-DG, β -DAG, BETA DAG, Dystroglycan, Dystrophin-associated glycoprotein 1, B-Dystroglycan, B Dystroglycan, Beta-dystroglycan, β dystroglycan, β -dystroglycan
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UniProt:	Q14118 , Q62165
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Pathways:	Maintenance of Protein Location , Regulation of Carbohydrate Metabolic Process , Protein targeting to Nucleus
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Application Details

Application Notes:	The binding specificity of this antibody to human and mouse beta dystroglycan expressed on the surface of CHO cells was confirmed using ELISA and flow cytometry. The binding affinity of the original IgG antibody to human beta dystroglycan was determined to be 941 pM. This antibody was used in combination with anti-Laminin antibody PL60B3 for the generation of a bispecific antibody (CN113651891).
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Comment:	This chimeric rabbit antibody was made using the variable domain sequences of the original Mouse IgG1 format for improved compatibility with existing reagents assays and techniques.
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Restrictions:	For Research Use only
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Handling

Concentration:	1 mg/mL
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Buffer:	PBS with 0.02 % Proclin 300.
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Preservative:	ProClin
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Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
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Storage:	4 °C,-20 °C
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Handling

Storage Comment: Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.