

Datasheet for ABIN2773882

**anti-Dystroglycan antibody (C-Term)****2** Images[Go to Product page](#)

## Overview

Quantity:	100 µL
Target:	Dystroglycan (DAG1)
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat, Cow, Dog, Rabbit, Guinea Pig, Horse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Dystroglycan antibody is un-conjugated
Application:	Western Blotting (WB)

## Product Details

Immunogen:	The immunogen is a synthetic peptide corresponding to a region of Mouse
Sequence:	PPSPGSSAAP ATEVPDRDPE KSEDDVYLH TVIPAVVVAA ILLIAGIIAM
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 93%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%
Characteristics:	This is a rabbit polyclonal antibody against Dag1. It was validated on Western Blot.
Purification:	Affinity Purified

## Target Details

Target:	Dystroglycan (DAG1)
Alternative Name:	Dag1 ( <a href="#">DAG1 Products</a> )

## Target Details

Background:	<p>The dystroglycan complex is involved in a number of processes including laminin and basement membrane assembly, sacrolemmal stability, cell survival, peripheral nerve myelination, nodal structure, cell migration, and epithelial polarization. Alpha-dystroglycan is an extracellular peripheral glycoprotein that acts as a receptor for both extracellular matrix proteins containing laminin-G domains, and for certain adenoviruses. Receptor for laminin-2 (LAMA2) and agrin in peripheral nerve Schwann cells. Also receptor for lymphocytic choriomeningitis virus, Old World Lassa fever virus, and clade C New World arenaviruses. Beta-dystroglycan is a transmembrane protein that plays important roles in connecting the extracellular matrix to the cytoskeleton. Acts as a cell adhesion receptor in both muscle and non-muscle tissues. Receptor for both DMD and UTRN and, through these interactions, scaffolds axin to the cytoskeleton. Also functions in cell adhesion-mediated signaling and implicated in cell polarity.</p> <p>Alias Symbols: D9Wsu13e, DG, Dp427, Dp71</p> <p>Protein Interaction Partner: Dmd, Cav3, Sgcd, Sgcb, Utrn, Snta1, Sgca, Lama1,</p> <p>Protein Size: 893</p>
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Molecular Weight:	97 kDa
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Gene ID:	13138
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NCBI Accession:	<a href="#">NM_010017</a> , <a href="#">NP_034147</a>
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UniProt:	<a href="#">Q62165</a>
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Pathways:	<a href="#">Maintenance of Protein Location</a> , <a href="#">Regulation of Carbohydrate Metabolic Process</a> , <a href="#">Protein targeting to Nucleus</a>
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## Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
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Comment:	Antigen size: 893 AA
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Restrictions:	For Research Use only
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## Handling

Format:	Liquid
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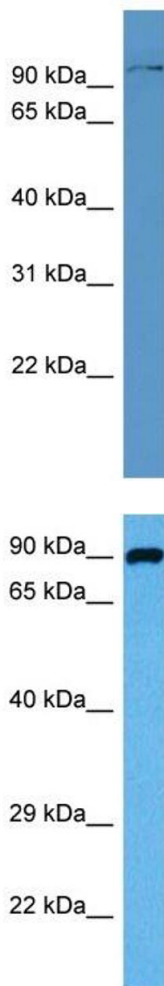
Concentration:	Lot specific
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Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
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## Handling

Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

## Images



### Western Blotting

**Image 1.** WB Suggested Anti-Dag1 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:12500 Positive Control: Mouse Heart

### Western Blotting

**Image 2.** Host: Mouse Target Name: DAG1 Sample Tissue: Mouse Liver Antibody Dilution: 1ug/ml