

**DAG1 / Dystroglycan Antibody (Internal)**  
**Goat Polyclonal Antibody**  
**Catalog # ALS14961**

**Specification**

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**DAG1 / Dystroglycan Antibody (Internal) - Product Information**

Application	IHC
Primary Accession	<a href="#">Q14118</a>
Reactivity	Human, Mouse, Rat, Rabbit, Hamster, Monkey, Horse, Bovine, Dog
Host	Goat
Clonality	Polyclonal
Calculated MW	97kDa KDa

**DAG1 / Dystroglycan Antibody (Internal) - Additional Information**

**Gene ID** 1605

**Other Names**

Dystroglycan, Dystrophin-associated glycoprotein 1, Alpha-dystroglycan, Alpha-DG, Beta-dystroglycan, Beta-DG, DAG1

**Target/Specificity**

Human DAG1 / Dystroglycan. Reported variants represent identical protein: NP\_001159400.1, NP\_004384.3

**Reconstitution & Storage**

Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles.

**Precautions**

DAG1 / Dystroglycan Antibody (Internal) is for research use only and not for use in diagnostic or therapeutic procedures.

**DAG1 / Dystroglycan Antibody (Internal) - Protein Information**

**Name** DAG1 ([HGNC:2666](#))

**Function**

The dystroglycan complex is involved in a number of processes including laminin and basement membrane assembly, sarcolemmal stability, cell survival, peripheral nerve myelination, nodal structure, cell migration, and epithelial polarization. [Beta-dystroglycan]: 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.

**Cellular Location**

[Alpha-dystroglycan]: Secreted, extracellular space

**Tissue Location**

Expressed in a variety of fetal and adult tissues. In epidermal tissue, located to the basement membrane. Also expressed in keratinocytes and fibroblasts.

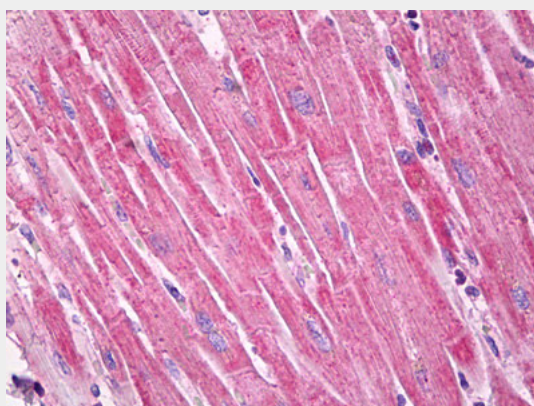
**Volume**

50  $\mu$ l

**DAG1 / Dystroglycan Antibody (Internal) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**DAG1 / Dystroglycan Antibody (Internal) - Images**

Anti-Dystroglycan antibody IHC of human heart.

**DAG1 / Dystroglycan Antibody (Internal) - Background**

The dystroglycan complex is involved in a number of processes including laminin and basement membrane assembly, sarcolemmal stability, cell survival, peripheral nerve myelination, nodal structure, cell migration, and epithelial polarization. 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.

**DAG1 / Dystroglycan Antibody (Internal) - References**

Ibraghimov-Beskrovnaya O., et al. Hum. Mol. Genet. 2:1651-1657(1993).  
Ota T., et al. Nat. Genet. 36:40-45(2004).  
Muzny D.M., et al. Nature 440:1194-1198(2006).  
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