

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

DAG1 / Dystroglycan Antibody (Internal) - Product Information

Application	IHC
Primary Accession	Q14118
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.

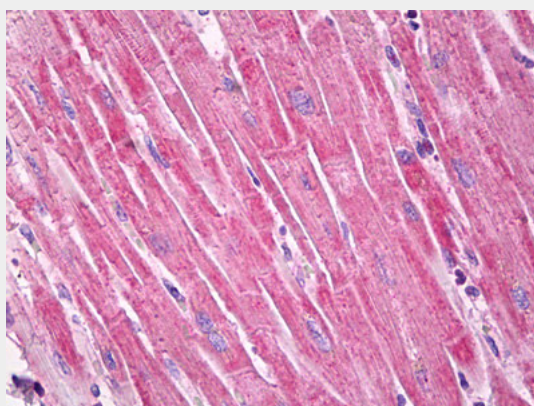
Volume

50 μ 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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