10320 Camino Santa Fe, Suite G
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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.

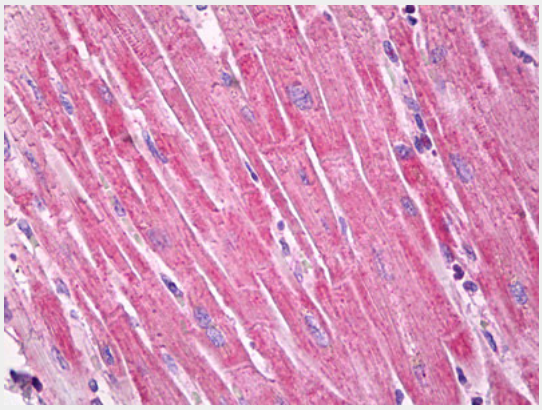
Volume
50 µl

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 Cytomety
- 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

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