

**Dag1 antibody - C-terminal region**  
**Rabbit Polyclonal Antibody**  
**Catalog # AI12681****Specification**

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**Dag1 antibody - C-terminal region - Product Information**

Application	WB
Primary Accession	<a href="#">Q62165</a>
Other Accession	<a href="#">NM_010017</a> , <a href="#">NP_034147</a>
Reactivity	Human, Mouse, Rat, Rabbit, Horse, Bovine, Guinea Pig, Dog
Predicted	Human, Mouse, Rat, Rabbit, Chicken, Horse, Bovine, Guinea Pig, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	97kDa KDa

**Dag1 antibody - C-terminal region - Additional Information****Gene ID** 13138**Alias Symbol** D9Wsu13e, DG, Dp427, Dp71**Other Names**

Dystroglycan, Dystrophin-associated glycoprotein 1, Alpha-dystroglycan, Alpha-DG, Beta-dystroglycan, Beta-DG, Dag1, Dag-1

**Format**

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

**Reconstitution & Storage**

Add 50 ul of distilled water. Final anti-Dag1 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

**Precautions**

Dag1 antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

**Dag1 antibody - C-terminal region - Protein Information****Name** Dag1 {ECO:0000312|MGI:MGI:101864}**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 (By similarity).

**Cellular Location**

[Alpha-dystroglycan]: Secreted, extracellular space

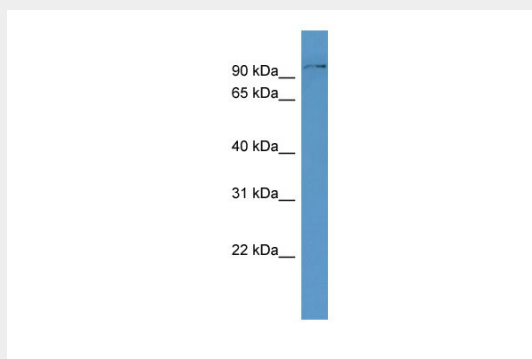
**Tissue Location**

Detected in brain and kidney (at protein level) (PubMed:16709410). Detected in sciatic nerve (at protein level) (PubMed:11430802). Expressed in neurons and muscle cells (at protein level) (PubMed:25757569). Expressed in a variety of tissues. In brain, expressed in the hippocampal formation, the olfactory bulb, the cerebellum and the thalamus. In the peripheral nerve system, expressed in Schwann cells.

**Dag1 antibody - C-terminal region - 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 antibody - C-terminal region - Images**

WB Suggested Anti-Dag1 Antibody Titration: 0.2-1 µg/ml  
ELISA Titer: 1:12500  
Positive Control: Mouse Heart