10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Dag1 antibody - C-terminal region

Rabbit Polyclonal Antibody
Catalog # AI12681

Product Information

Application	WB
Primary Accession	Q62165
Other Accession	NM_010017, NP_034147
Reactivity	Human, Mouse, Rat, Rabbit, Dog, Guinea Pig, Horse, Bovine
Predicted	Human, Mouse, Rat, Rabbit, Chicken, Dog, Guinea Pig, Horse, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	96905

Additional Information

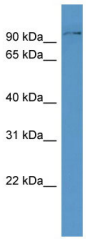
Gene ID	13138
Alias Symbol	D9Wsu13e, DG, Dp427, Dp71
Other Names	Dystroglycan, Dystrophin-associated glycoprotein 1, Alpha-dystroglycan, Alpha-DG, Beta-dystroglycan, Beta-DG, Dag1, Dag-1
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & 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.

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.

Images



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