

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 signaling events and processes including laminin deposition and extracellular matrix assembly, acetylcholine receptor (AChR) clustering, sarcolemmal stability, cell survival, peripheral nerve myelination, nodal structure, cell migration, epithelial polarization, and epithelium branching morphogenesis. Required for the formation of photoreceptor ribbon synapses, and long-term maintenance of inhibitory synapses in cerebellar Purkinje cells (PubMed: 18641643 , PubMed: 40473926). Also involved in the positive regulation of cartilage formation through agrin (AGRN) binding and up-regulation of SOX9, a transcription factor that plays a key role in chondrocytes differentiation (By

similarity).

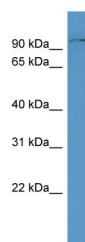
Cellular Location

[Alpha-dystroglycan]: Secreted, extracellular space {ECO:0000250|UniProtKB:Q14118}. Secreted, extracellular space, extracellular matrix, basement membrane Synapse. Note=Localized to inhibitory synapses in the cerebellar cortex.

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 (PubMed:40473926). 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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.