

Product datasheet

Anti-Gliomedin antibody ab28675

1 Image

Overview

Product name	Anti-Gliomedin antibody
Description	Rabbit polyclonal to Gliomedin
Host species	Rabbit
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Human
Immunogen	Synthetic peptide: LVGKADEKASEHHSPQA , corresponding to Internal sequence amino acids 160-176 of Human Gliomedin Run BLAST with Run BLAST with
Positive control	Human liver tumour.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	Preservative: 0.02% Sodium Azide Constituents: PBS
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab28675** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/500. Detects a band of approximately 50 kDa (predicted molecular weight: 48 kDa).

Target

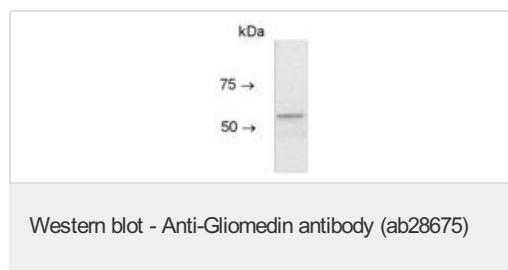
Relevance

Gliomedin is a member of the collagen superfamily, it is a glial ligand for neurofascin and NrCAM, two axonal immunoglobulin cell adhesion molecules that are associated with Na⁺ channels at the nodes of Ranvier. Gliomedin provides a glial cue for the formation of peripheral nodes of Ranvier. Gliomedin is expressed by myelinating Schwann cells and accumulates at the edges of each myelin segment during development, where it aligns with the forming nodes of Ranvier. Eliminating the expression of gliomedin or the addition of a soluble extracellular domain of neurofascin to myelinating cultures abolishes node formation. Gliomedin is expressed in the PNS nodes of Ranvier, but not in the CNS nodes of Ranvier. Gliomedin also displays high expression in murine and human hepatocellular carcinomas (HCC). Its restricted expression in normal tissues and unique early upregulation during tumor development make it an excellent candidate as a new clinical marker of HCC.

Cellular localization

Cell Membrane and Cytoplasmic

Images



Anti-Gliomedin antibody (ab28675) at 1/500 dilution + Human liver tumour

Predicted band size: 48 kDa

Observed band size: 56 kDa

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