



## Rat GLDN peptide (DAG-P1634)

This product is for research use only and is not intended for diagnostic use.

### PRODUCT INFORMATION

#### Antigen Description

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<sup>+</sup> 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.

Conjugate	Unconjugated
Format	Liquid
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

### GENE INFORMATION

Gene Name	<a href="#">GLDN gliomedin [ Homo sapiens (human) ]</a>
Official Symbol	GLDN
Synonyms	GLDN; gliomedin; CLOM; COLM; CRGL2; CRG-L2; UNC-112; collomin; colmedin;
Entrez Gene ID	<a href="#">342035</a>

<b>mRNA Refseq</b>	<a href="#">NM_181789.2</a>
<b>Protein Refseq</b>	<a href="#">NP_861454.2</a>
<b>UniProt ID</b>	Q6ZMI3
<b>Chromosome Location</b>	15q21.2
<b>Function</b>	protein binding involved in heterotypic cell-cell adhesion;