

Datasheet for ABIN1424482
anti-GLDN antibody (PE-Cy5)



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Overview

Quantity:	100 µL
Target:	GLDN
Reactivity:	Human, Mouse, Rat, Cow, Dog, Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GLDN antibody is conjugated to PE-Cy5
Application:	Western Blotting (WB)

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human Gliomedin/COLM
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Predicted Reactivity:	Dog,Cow,Sheep,Pig,Horse
Purification:	Purified by Protein A.

Target Details

Target:	GLDN
Alternative Name:	Gliomedin (GLDN Products)
Background:	Synonyms: CANCER RELATED GENE LIVER 2, Cancer related gene-Liver 2, CLOM, collomin, Colm gene name, COLM, Colmedin, CRG L2, FLJ23917, Gldn gene name, UNC 112,

Target Details

GLDN_HUMAN.

Background: Gliomedin is a 551 amino acid protein encoded by the human gene GLDN. Gliomedin is thought to play a role in the formation of the nodes of Ranvier along myelinated axons. Accumulation of Na⁺ channels at the nodes of Ranvier is a prerequisite for saltatory conduction. In peripheral nerves, clustering of these channels along the axolemma is regulated by myelinating Schwann cells through an unknown mechanism. Gliomedin 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 is expressed by myelinating Schwann cells and accumulates at the edges of each myelin segment during development, where it aligns with the forming nodes. Gliomedin is a single-pass type II membrane protein localized to the nodes of Ranvier and is specifically expressed in spinal cord, brain, placenta and sciatic nerve. It is more abundant in peripheral than central nervous system.

Molecular Weight: 59kDa

Application Details

Application Notes: FCM(1:100-500)
Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: Sodium azide

Precaution of Use: This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Expiry Date: 12 months