

RecomAb™

# CLDN4 recombinant monoclonal antibody, clone 2G12

Catalog # RAB04381      Size 100 uL

## Specification

<b>Product Description</b>	Rabbit recombinant monoclonal antibody raised against human CLDN4.
<b>Antibody Species</b>	Rabbit
<b>Immunogen</b>	Original antibody is raised against a synthetic peptide corresponding to human CLDN4.
<b>Reactivity</b>	Human
<b>Form</b>	Liquid
<b>Purification</b>	Affinity chromatography
<b>Isotype</b>	IgG
<b>Recommend Usage</b>	ELISA The optimal working dilution should be determined by the end user.
<b>Storage Buffer</b>	In PBS, pH7.4 (150 mM NaCl, 50% glycerol and 0.02% sodium azide)
<b>Storage Instruction</b>	Store at -20°C or -80°C. Aliquot to avoid repeated freezing and thawing.
<b>Note</b>	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

- Enzyme-linked Immunoabsorbent Assay

## Gene Info — CLDN4

Entrez GeneID [1364](#)

Protein Accession#	<a href="#">O14493</a>
Gene Name	CLDN4
Gene Alias	CPE-R, CPER, CPETR, CPETR1, WBSCR8, hCPE-R
Gene Description	claudin 4
Omim ID	<a href="#">602909</a>
Gene Ontology	<a href="#">Hyperlink</a>
Gene Summary	This gene encodes an integral membrane protein, which belongs to the claudin family. The protein is a component of tight junction strands and may play a role in internal organ development and function during pre- and postnatal life. This gene is deleted in Williams-Beuren syndrome, a neurodevelopmental disorder affecting multiple systems. [provided by RefSeq]
Other Designations	Clostridium perfringens enterotoxin receptor 1 Williams-Beuren syndrome chromosomal region 8 protein

## Pathway

- [Cell adhesion molecules \(CAMs\)](#)
- [Leukocyte transendothelial migration](#)
- [Tight junction](#)