

CLDN3 mouse monoclonal antibody (hybridoma)

Catalog # H00001365-M

Size Up to 5 Clones

Specification

Product Description	Mouse monoclonal antibody raised against a full-length recombinant CLDN3.
Immunogen	CLDN3 (NP_001297.1, 1 a.a. ~ 220 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MSMGLEITGTALAVLGWLGTVMCCALPMWRVSAFIGSNIITSQNWEGLMNCVVQSTGQMCKV YDSSLALPQDLQAARALMVAILLAAGLLVALVGAQCTNCVQDDTAKAKITVAGVLFLLAALLTLV PVSWSANIIRDFYNPVVPEAQKREMGAGLYVGWAAAALQLLGALLCCSCPPREKKYTATKVV YSAPRSTGPGASLGTGYDRKDYV
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (91); Rat (90)
Quality Control Testing	Antibody reactivity and specificity confirmed by ELISA and Western Blot.
Deliverables	Up to 5 positive hybridoma clones will be delivered to customer in the cryotube format.
Note	Customer should check the viability of the hybridomas within one month from the date of receipt. Fee -for-service of long term hybridoma storage can be performed upon customer's request.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — CLDN3

Entrez GeneID [1365](#)

GeneBank Accession# [NM_001306.2](#)

Protein Accession# [NP_001297.1](#)

Gene Name CLDN3

Gene Alias C7orf1, CPE-R2, CPETR2, HRVP1, RVP1

Gene Description claudin 3

Omim ID [602910](#)

Gene Ontology [Hyperlink](#)

Gene Summary Tight junctions represent one mode of cell-to-cell adhesion in epithelial or endothelial cell sheets, forming continuous seals around cells and serving as a physical barrier to prevent solutes and water from passing freely through the paracellular space. These junctions are comprised of sets of continuous networking strands in the outwardly facing cytoplasmic leaflet, with complementary grooves in the inwardly facing extracytoplasmic leaflet. The protein encoded by this intronless gene, a member of the claudin family, is an integral membrane protein and a component of tight junction strands. It is also a low-affinity receptor for Clostridium perfringens enterotoxin, and shares aa sequence similarity with a putative apoptosis-related protein found in rat. [provided by RefSeq]

Other Designations CPE-receptor 2|Clostridium perfringens enterotoxin receptor 2|OTTHUMP00000025042|OTTHUMP00000160506|claudin-3|ventral prostate.1-like protein

Pathway

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