CLDND1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	CLDND1, Polyclonal Antibody
Full Product Name	CLDND1 Antibody
Product Gene Name	anti-CLDND1 antibody
Product Synonym Names	C3orf4; GENX-3745
Clonality	Polyclonal
Isotype	Rabbit IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Rabbit IgG in pH7.4 PBS, 0.05% NaN3, 40% Glycerol.
Purity/Purification	Antigen affinity purification.
Specificity	The antibody detects endogenous levels of total CLDND1 protein.
Preparation and Storage	Store at 4 degree C short term. Aliquot and store at -20 degree C long term. Avoid freeze/thaw cycles.
Molecular Weight	253
3D Structure	ModBase 3D Structure for Q9NY35
Immunogen	Fusion protein corresponding to a region derived from internal residues of human claudin domain containing 1
Product Categories/Family for anti-CLDND1 antibody	Primary Antibody
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-CLDND1 antibody	Immunohistochemistry (IHC)
Application Notes for anti-CLDND1 antibody	IHC: 1:50-1:200
Related Product Information for anti-CLDND1 antibody	CLDND1 (claudin domain containing 1), also known as C3orf4 or HSPC174, is a 253 amino acid multi-pass membrane protein that is expressed at high levels in adult brain and at lower levels in adult heart. Existing as two alternatively spliced isoforms, CLDND1 is encoded by a gene that maps to human chromosome 3, which houses over 1,100 genes, including a chemokine receptor (CKR) gene cluster and a variety of human cancer-related gene loci. Key tumor suppressing genes on chromosome 3 include those that encode the apoptosis mediator RASSF1, the cell migration regulator HYAL1 and the angiogenesis suppressor SEMA3B. Marfan Syndrome, porphyria, von Hippel-Lindau syndrome, osteogenesis imperfecta and Charcot-Marie-Tooth Disease are a few of the numerous genetic diseases associated with chromosome 3
Other Notes	Small volumes of anti-CLDND1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for CLDND1 purchase	MBS8589044 is an antibody targeting CLDND1. Also known as CLDND1 Antibody. Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CLDND1. It may not necessarily be applicable to this product.

NCBI GI #	20532022
NCBI GeneID	56650
NCBI Accession #	Q9NY35.1
UniProt Primary Accession #	Q9NY35
UniProt Secondary Accession #	Q502Y8; Q6UVX2; Q9BUZ9; Q9NZZ5; Q9Y4S9; B3KQR1; D3DN36; F2Z2D9
UniProt Related Accession #	Q9NY35
NCBI Official Full Name	Claudin domain-containing protein 1
NCBI Official Synonym Full Names	claudin domain containing 1
NCBI Official Symbol	CLDND1
NCBI Official Synonym Symbols	C3orf4; GENX-3745
UniProt Protein Name	Claudin domain-containing protein 1
UniProt Synonym Protein Names	Membrane protein GENX-3745
Protein Family	Claudin domain-containing protein
UniProt Gene Name	CLDND1
UniProt Synonym Gene Names	C3orf4
UniProt Entry Name	CLDN1_HUMAN
NCBI Protein Information	claudin domain-containing protein 1; membrane protein GENX-3745; claudin domain containing 1 protein
UniProt Comments for CLDND1	CLDND1: Belongs to the PMP-22/EMP/MP20 family. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Membrane protein, integral; Membrane protein, multi-pass Chromosomal Location of Human Ortholog: 3q12.1 Cellular Component: cell surface; apical plasma membrane; integral to membrane
Research Articles on CLDND1	**1.** A cDNA library consisting of 220 upregulated genes in tumour tissue was established and named as LSCC. Differential expression was confirmed in five of these genes, including IGFBP5, SQLE, RAP2B, CLDN1, and TBL1XR1.
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