CLDND1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	CLDND1, Polyclonal Antibody
Full Product Name	CLDND1, ID (CLDND1, C3orf4, Claudin domain-containing protein 1, Membrane protein GENX-3745) (MaxLight 650)
Product Gene Name	anti-CLDND1 antibody
Product Synonym Names	CLDND1; C3orf4; Claudin domain-containing protein 1; Membrane protein GENX-3745
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight650.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight650 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	253
3D Structure	ModBase 3D Structure for Q9NY35
Immunogen	CLDND1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 50~80 amino acids from the Central region of human CLDND1.
Conjugate	MaxLight650
Note	Preservative Free
Product Categories/Family for anti-CLDND1 antibody	Antibodies; Claudin
Applications Tested/Suitable for anti-CLDND1 antibody	Western Blot (WB), FLISA
Application Notes for anti-CLDND1 antibody	WB: 1:100-500 FLISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-CLDND1 antibody	CLDND1 is widely distributed in the adult CNS with highest expression in the corpus callosum, caudate nucleus, cerebral cortex, medulla, putamen, spinal cord, substantia nigra and subthalamic nucleus. Weak expression has been detected in the adult heart. There are 2 named isoforms produced by alternative splicing.
Product References and Citations for anti-CLDND1 antibody	Liu, Y., et al. Lung Cancer 56(3):307-317(2007). Fayein, N.A., et al. Gene 289 (1-2), 119-129 (2002).
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	MBS6286555 is an antibody targeting CLDND1. Also known as CLDND1, ID (CLDND1, C3orf4, Claudin domain-containing protein 1, Membrane protein GENX-3745) (MaxLight 650). Reactive in Human, Mouse. 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.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

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