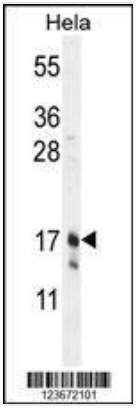
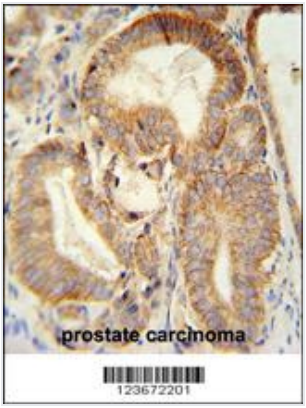
CLDN7 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

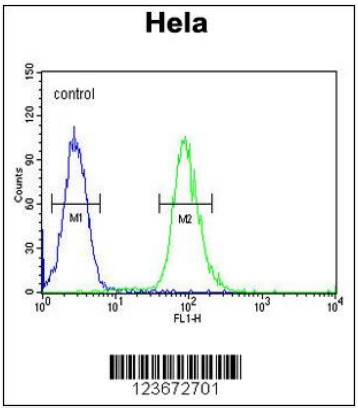
Product Name	CLDN7, Polyclonal Antibody
Full Product Name	CLDN7, CT (CLDN7, CEPTRL2, CPETRL2, Claudin-7) (Biotin)
Product Gene Name	anti-CLDN7 antibody
Product Synonym Names	CLDN7; CEPTRL2; CPETRL2; Claudin-7
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Biotin.
Purity/Purification	Purified by Protein A and Peptide Affinity Chromatography.
Specificity	Recognizes human CLDN7.
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	22,418 Da
Chromosome Location	Chromosome: 17; NC_000017.10 (7163222..7166512, complement). Location: chromosome: 17
3D Structure	ModBase 3D Structure for Q95471
Immunogen	KLH-conjugated synthetic peptide mapping to a fragment of residues within amino acids 172-201 in the C-terminal region of human CLDN7.
Conjugate	Biotin
Note	Preservative Free
Product Categories/Family for anti-CLDN7 antibody	Antibodies; Claudin
Applications Tested/Suitable for anti-CLDN7 antibody	Immunohistochemistry (IHC) Paraffin, Western Blot (WB), Flow Cytometry (FC/FACS), ELISA (EIA)
Application Notes for anti-CLDN7 antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-CLDN7 antibody	MBS6286527 is an antibody targeting CLDN7. Also known as CLDN7, CT (CLDN7, CEPTRL2, CPETRL2, Claudin-7) (Biotin). Reactive in Human. Host: Rabbit.
Product References and Citations for anti-CLDN7 antibody	1. Kojima, F., et al. Oncol. Rep. 23(4):927-931(2010). 2. Rendon-Huerta, E., et al. J Gastrointest Cancer 41(1):52-59(2010). 3. Ouban, A., et al. Histol. Histopathol. 25(1):83-90(2010). 4. Kaarteenaho, R., et al. Respir. Res. 11, 59 (2010). 5. Lal-Nag, M., et al. Genome Biol. 10 (8), 235 (2009).
Other Notes	Small volumes of anti-CLDN7 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.



Western Blot (WB) of anti-CLDN7 antibody
Western Blot analysis in Hela cell line lysates (35ug/lane) usingMBS6002466. This demonstrates that MBS6002466 detected the CLDN7 protein (arrow).



Immunohistochemistry (IHC) of anti-CLDN7 antibody
Immunohistochemistry analysis in formalin fixed and paraffin embedded human prostate carcinoma using MBS6002466 followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of MBS6002466 for immunohistochemistry.



Flow Cytometry (FC/FACS) of anti-CLDN7 antibody
Flow Cytometric analysis of Hela cells using MBS6002466 (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CLDN7. It may not necessarily be applicable to this product.

NCBI GI #	297206811
NCBI GeneID	1366
NCBI Accession #	NP_001171951.1
NCBI Related Accession #	NP_001298.3
UniProt Primary Accession #	Q95471
UniProt Secondary Accession #	Q6IPN3; Q7Z4Y7; Q9BVN0; B2R9X7; D3DTP0
UniProt Related Accession #	O95471
GenBank Nucleotide #	NM_001185022.1
NCBI Official Full Name	claudin-7 isoform 1
NCBI Official Synonym Full Names	claudin 7
NCBI Official Symbol	CLDN7
NCBI Official Synonym Symbols	CLDN-7; CEPTRL2; CPETRL2; Hs.84359; claudin-1
Protein Family	Claudin

NCBI Protein Information	claudin-7; clostridium perfringens enterotoxin receptor-like 2
NCBI Summary for CLDN7	This gene encodes a member of the claudin family. Claudins are integral membrane proteins and components of tight junction strands. Tight junction strands serve as a physical barrier to prevent solutes and water from passing freely through the paracellular space between epithelial or endothelial cell sheets, and also play critical roles in maintaining cell polarity and signal transductions. Differential expression of this gene has been observed in different types of malignancies, including breast cancer, ovarian cancer, hepatocellular carcinomas, urinary tumors, prostate cancer, lung cancer, head and neck cancers, thyroid carcinomas, etc.. Alternatively spliced transcript variants encoding different isoforms have been found.[provided by RefSeq, May 2010]
Research Articles on CLDN7	**1.** Survival analysis showed a trend toward a better prognosis among patients with overexpression of claudin-7 in hepatocellular carcinoma.
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.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
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.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/polyclonal-human-antibody/cldn7/6286527