

Rabbit anti-Human CLDN7 Polyclonal Antibody | anti-CLDN7 antibody

CLDN7 Antibody (C-term)

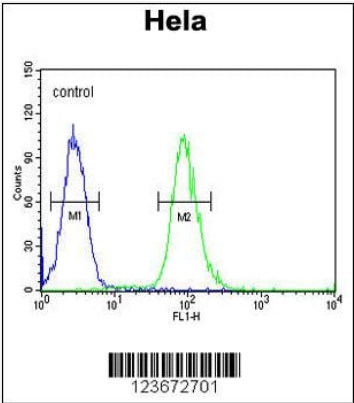
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA286231	Rabbit	Human	Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

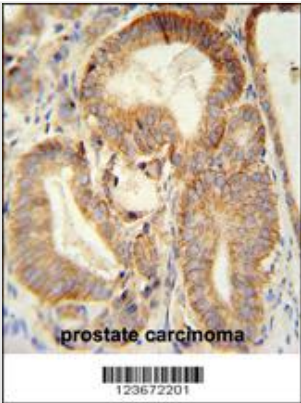
CLDN7; Polyclonal Antibody; CLDN7 Antibody (C-term); Claudin-7; CLDN-7; CEPTRL2; CPETRL2; anti-CLDN7 antibody

PRODUCT SPECIFICATIONS

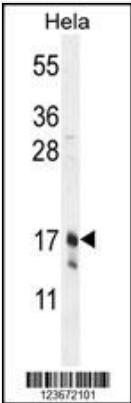
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This CLDN7 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 172-201 amino acids from the C-terminal region of human CLDN7.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.46 (varies by lot)
Sequence Positions	172-201
Sequence Length	158
Applicable Applications for anti-CLDN7 antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



FCM/FACS (Flow Cytometry)
CLDN7 Antibody (C-term) flow cytometric analysis of HeLa cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohistochemistry)
CLDN7 antibody (C-term) immunohistochemistry analysis in formalin fixed and paraffin embedded human prostate carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the CLDN7 antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
CLDN7 Antibody (C-term) western blot analysis in HeLa cell line lysates (35ug/lane). This demonstrates the CLDN7 antibody detected the CLDN7 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-CLDN7 antibody	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.
Product Categories/Family for anti-CLDN7 antibody	Signal Transduction
References	Kojima, F., et al. Oncol. Rep. 23(4):927-931(2010) Rendon-Huerta, E., et al. J Gastrointest Cancer 41(1):52-59(2010) Ouban, A., et al. Histol. Histopathol. 25(1):83-90(2010) Kaarteenaho, R., et al. Respir. Res. 11, 59 (2010) : LaI-Nag, M., et al. Genome Biol. 10 (8), 235 (2009) :

NCBI AND UNIPROT INFORMATION

NCBI GI #	297206811
NCBI GeneID	1366
NCBI Accession #	NP_001171951.1; NP_001171952.1; NP_001298.3
NCBI GenBank Nucleotide #	NM_001185022.1
UniProt Accession #	O95471; Q6IPN3; Q7Z4Y7; Q9BVN0; B2R9X7; D3DTP0
Molecular Weight	22418
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
NCBI Protein Information	claudin-7
UniProt Protein Name	Claudin-7
UniProt Gene Name	CLDN7
UniProt Synonym Gene Names	CEPTRL2; CPETRL2; CLDN-7
UniProt Entry Name	CLD7_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/cldn7-antibody-flow-cytometry-immunohistochemistry-western-blot-elisa/286231>