

Rabbit CLDN7 Polyclonal Antibody | anti-CLDN7 antibody

CLDN7 Antibody

CATALOG # AAA326531	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS ELISA, Immunohistochemistry, Western Blot
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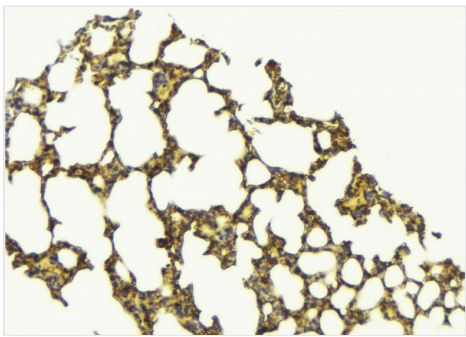
PRODUCT SYNONYMS

CLDN7; Polyclonal Antibody; CLDN7 Antibody; CEPTR L2; CEPTRL 2; CEPTRL2; Claudin 1; Claudin 9; Claudin-7; Claudin1; Claudin7; Claudin9; CLD7_HUMAN; CLDN 7; CLDN-7; Clostridium perfringens enterotoxin receptor like 2; CPETR L2; CPETRL 2; CPETRL2; Hs.84359; anti-CLDN7 antibody

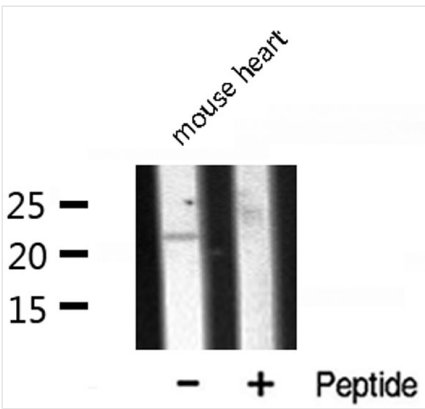
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	CLDN7 antibody detects endogenous levels of total CLDN7
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	211
Applicable Applications for anti-CLDN7 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human CLDN7
Subcellular Location	Cell Membrane. Lateral Cell Membrane. Cell Junction > Tight Junction. Co-localizes with EPCAM at the lateral cell membrane and tight junction.
Tissue Specificity	Expressed in kidney, lung and prostate. Isoform 1 seems to be predominant, except in some normal prostate samples, where isoform 2 is the major form. Down-regulated in breast cancers, including ductal carcinoma in situ (DCIS), lobular carcinoma in situ (LCIS) and invasive ductal carcinoma (IDC) (at protein level), as well as in several cancer cell lines. Loss of expression correlates with histological grade, occurring predominantly in high-grade lesions.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

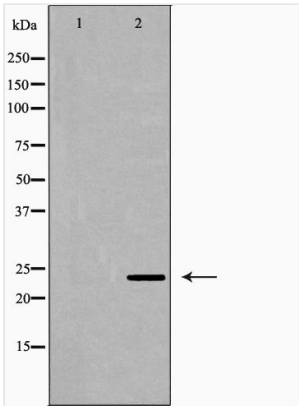
IMAGES



IHC (Immunohistochemistry)
AAA326531 at 1/100 staining Mouse lung tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)
Western blot analysis of CLDN7 expression in Mouse Heart lysate



WB (Western Blot)
Western blot analysis of LoVo cell lysate, using CLDN7 Antibody. The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-CLDN7 antibody	Description: 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]. Function: Plays a major role in tight junction-specific obliteration of the intercellular space. Subunit Structure: Directly interacts with TJP1/ZO-1, TJP2/ZO-2 and TJP3/ZO-3 (By similarity). The phosphorylated form interacts with EPCAM (PubMed:16054130). Does not interact with CD81 (PubMed:20375010). Post-translational Modifications: Phosphorylated. Similarity: Belongs to the claudin family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	297206811
NCBI GeneID	1366
NCBI Accession #	NP_001171951.1
NCBI GenBank Nucleotide #	NM_001185022.1
UniProt Accession #	O95471; Q6IPN3; Q7Z4Y7; Q9BVN0; B2R9X7; D3DTP0

Molecular Weight	Observed: 24 kDa Predicted: 23 kDa
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

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://stage.aaabiotech.com/polyclonal/cldn7-antibody-immunohistochemistry-western-blot-elisa/326531>