

Claudin 7 Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP51096**Specification**

Claudin 7 Antibody - Product Information

Application	WB, IHC-P, E
Primary Accession	O95471
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	22 KDa

Claudin 7 Antibody - Additional Information**Gene ID** 1366**Other Names**

Claudin-7, CLDN-7, CLDN7, CEPTRL2, CPETRL2

Target/Specificity

KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human Claudin 7. The exact sequence is proprietary.

Dilution

WB~~1:1000

IHC-P~~N/A

E~~N/A

Format

0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%

Storage

Store at -20 °C. Stable for 12 months from date of receipt

Claudin 7 Antibody - Protein Information**Name** CLDN7**Synonyms** CEPTRL2, CPETRL2**Function**

Plays a major role in tight junction-specific obliteration of the intercellular space.

Cellular Location

Cell membrane; Multi-pass membrane protein. Basolateral cell membrane. Cell junction, tight junction. Note=Co-localizes with EPCAM at the basolateral cell membrane and tight junction

Tissue Location

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

Claudin 7 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Claudin 7 Antibody - Images**Claudin 7 Antibody - Background**

Plays a major role in tight junction-specific obliteration of the intercellular space (By similarity).

Claudin 7 Antibody - References

Keen T.J.,et al.Submitted (SEP-1998) to the EMBL/GenBank/DDBJ databases.
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Kalnine N.,et al.Submitted (MAY-2003) to the EMBL/GenBank/DDBJ databases.
Zody M.C.,et al.Nature 440:1045-1049(2006).
Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.