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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

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

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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 Cytomety
- 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.