

Claudin 7 Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP51096

Product Information

| | |
|--------------------------|------------------------|
| Application | WB, IHC-P |
| Primary Accession | O95471 |
| Reactivity | Human, Mouse, Rat |
| Host | Rabbit |
| Clonality | Polyclonal |
| Calculated MW | 22418 |

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 |
| 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 |

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 |

Background

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

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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.