

Anti-Claudin 5 Antibody

Catalog # AP51095

Product Information

Application	WB, IHC, IF/IC
Primary Accession	O00501
Reactivity	Human, Mouse, Rat, Rabbit, Pig, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	23147

Additional Information

Gene ID	7122
Other Names	AWAL; TMVCF; Claudin-5; Transmembrane protein deleted in VCFS; TMDVCF
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human Claudin 5. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000) IHC~~1:100~500 IF/IC~~N/A
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

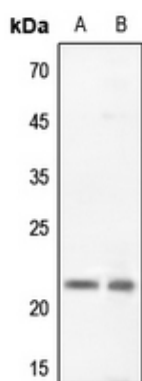
Protein Information

Name	CLDN5
Synonyms	AWAL, TMVCF
Function	Plays a major role in tight junction-specific obliteration of the intercellular space.
Cellular Location	Cell junction, tight junction. Cell membrane {ECO:0000250 UniProtKB:O54942}; Multi-pass membrane protein

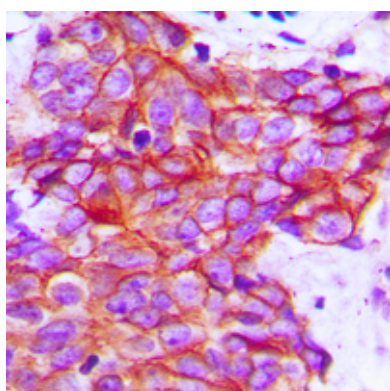
References

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Collins J.E.,et al.Genome Biol. 5:R84.1-R84.11(2004).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Kalnine N.,et al.Submitted (MAY-2003) to the EMBL/GenBank/DDBJ databases.

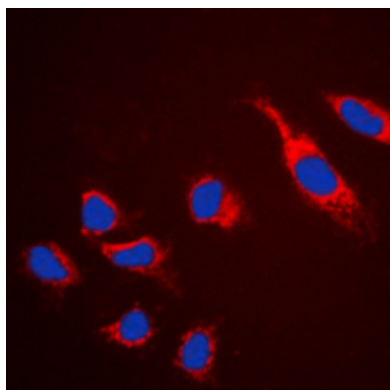
Images



Western blot analysis of Claudin 5 expression in mouse kidney (A), rat lung (B) whole cell lysates. (Predicted band size: 23 kD; Observed band size: 19 kD)



Immunohistochemical analysis of Claudin 5 staining in human breast cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescent analysis of Claudin 5 staining in HeLa cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).

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