

## ARG43118 anti-Claudin 5 antibody

Package: 50 µl  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes Claudin 5
Tested Reactivity	Hu, Ms, Rat
Predict Reactivity	Cow, Pig
Tested Application	ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	Claudin 5
Species	Human
Immunogen	Synthetic peptide derived from Human Claudin 5.
Conjugation	Un-conjugated
Alternate Names	Claudin-5; TMVCF; CPETRL1; BEC1; TMDVCF; Transmembrane protein deleted in VCFS; AWAL

### Application Instructions

Application table	Application	Dilution
	ICC/IF	1:100 - 1:200
	IHC-P	1:50 - 1:200
	WB	1:500 - 1:2000
Application Note	IHC-P: Antigen Retrieval: Heat mediation was performed in Citrate buffer. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	A549	
Observed Size	23 kDa	

### Properties

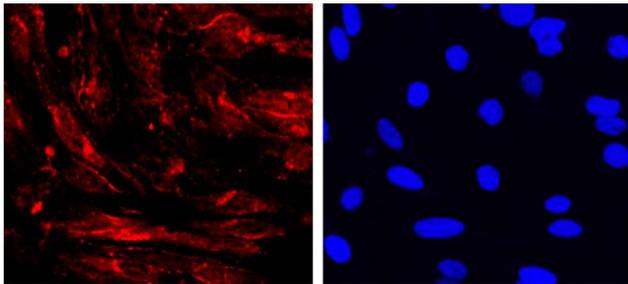
Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS (pH 7.4), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Concentration	1 mg/ml

Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

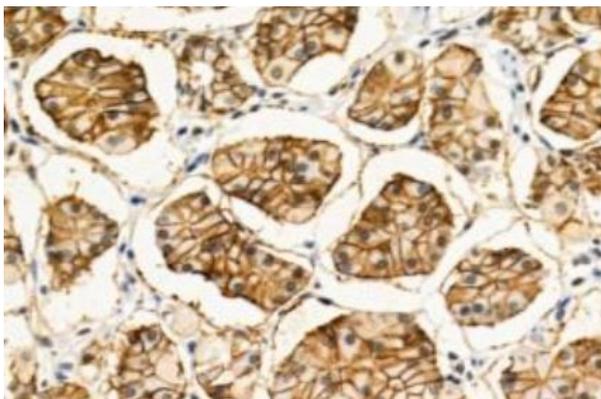
Gene Symbol	CLDN5
Gene Full Name	claudin 5
Background	This gene encodes a member of the claudin family. Claudins are integral membrane proteins and components of tight junction strands. Tight junction strands serve as a physical barrier to prevent solutes and water from passing freely through the paracellular space between epithelial or endothelial cell sheets. Mutations in this gene have been found in patients with velocardiofacial syndrome. Alternative splicing results in multiple transcript variants encoding distinct isoforms. [provided by RefSeq, May 2018]
Function	Plays a major role in tight junction-specific obliteration of the intercellular space. [UniProt]
Calculated Mw	23 kDa
Cellular Localization	Cell junction, tight junction. Cell membrane; Multi-pass membrane protein. [UniProt]

## Images



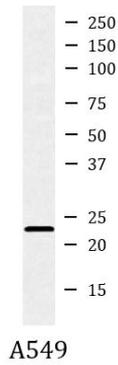
ARG43118 anti-Claudin 5 antibody ICC/IF image

Immunofluorescence: bEnd.3 cells were fixed with 4% paraformaldehyde for 15 min and permeabilized by 0.1% Triton X-100 for 15 min. Cells were stained with ARG43118 anti-Claudin 5 antibody (red) at 1:200 dilution. DAPI (blue) for nuclear staining.



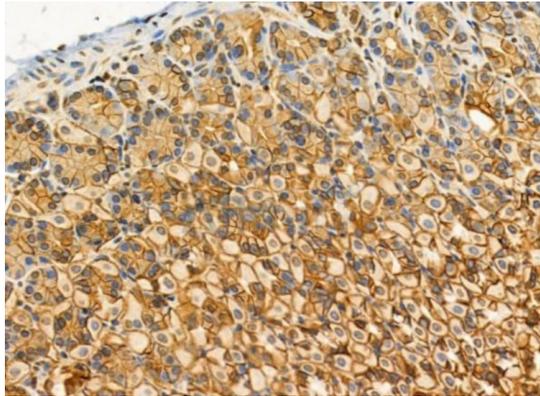
ARG43118 anti-Claudin 5 antibody IHC-P image

Immunohistochemistry: Formaldehyde-fixed and paraffin-embedded Human normal tissues adjacent to gastric cancer. Antigen Retrieval: Heat mediation was performed in Citrate buffer. The tissue was blocked and stained with ARG43118 anti-Claudin 5 antibody at 1:100 dilution, overnight at 4°C.



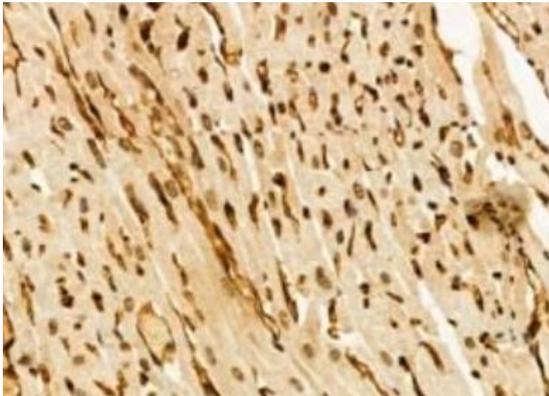
#### ARG43118 anti-Claudin 5 antibody WB image

Western blot: A549 cell lysate stained with ARG43118 anti-Claudin 5 antibody.



#### ARG43118 anti-Claudin 5 antibody IHC-P image

Immunohistochemistry: Formaldehyde-fixed and paraffin-embedded Mouse stomach tissue. Antigen Retrieval: Heat mediation was performed in Citrate buffer. The tissue was blocked and stained with ARG43118 anti-Claudin 5 antibody at 1:100 dilution, overnight at 4°C.



#### ARG43118 anti-Claudin 5 antibody IHC-P image

Immunohistochemistry: Formaldehyde-fixed and paraffin-embedded Rat heart tissue. Antigen Retrieval: Heat mediation was performed in Citrate buffer. The tissue was blocked and stained with ARG43118 anti-Claudin 5 antibody at 1:100 dilution, overnight at 4°C.