

Datasheet for ABIN7214220  
**anti-Claudin 5 antibody (AA 140-220)**

## 5 Images

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## Overview

Quantity:	100 µL
Target:	Claudin 5 (CLDN5)
Binding Specificity:	AA 140-220
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Claudin 5 antibody is un-conjugated
Application:	ELISA, Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

## Product Details

Purpose:	Claudin-5 Polyclonal Antibody
Immunogen:	Synthesized peptide derived from the C-terminal region of human Claudin-5 at AA range: 140-220
Isotype:	IgG
Specificity:	Claudin-5 Polyclonal Antibody detects endogenous levels of Claudin-5 protein.
Purification:	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen

## Target Details

Target:	Claudin 5 (CLDN5)
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## Target Details

Alternative Name:	Claudin-5 ( <a href="#">CLDN5 Products</a> )
Background:	Rabbit Anti-Claudin-5 Polyclonal Antibody, CLDN5, AWAL, TMVCF, Claudin-5, Transmembrane protein deleted in VCFS, TMDVCF, CLDN5 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 CLDN5 have been found in patients with velocardiofacial syndrome. Alternatively spliced transcript variants encoding the same protein have been found for CLDN5, Claudin-5
Molecular Weight:	observed band 23kDa
Gene ID:	7122
UniProt:	<a href="#">O00501</a>
Pathways:	<a href="#">Hepatitis C</a>

## Application Details

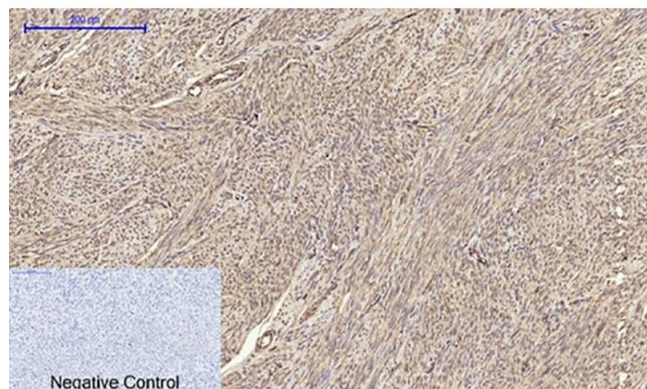
Application Notes:	Optimal working dilutions should be determined experimentally by the investigator. Suggested starting dilutions are as follows: WB (1:500-1:2000), IHC-P (1:100-1:300), IF (1:200-1:1000), ELISA (1:40000). Not yet tested in other applications.
Comment:	Primary Antibody
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	PBS containing 50 % Glycerol, 0.5 % BSA and 0.02 % Sodium Azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Stable for one year at -20°C from date of shipment. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Aliquot to avoid

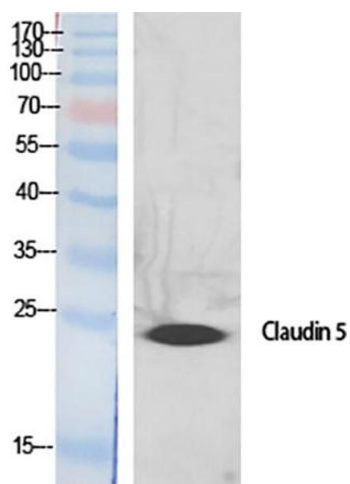
repeated freezing and thawing.

## Images



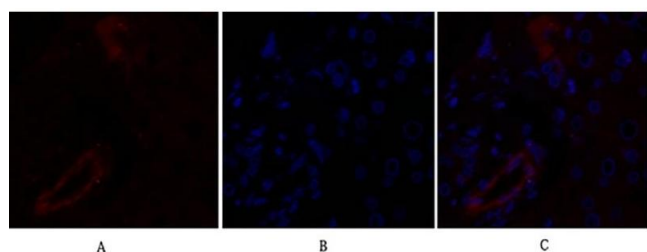
## Immunohistochemistry

**Image 1.** Immunohistochemical analysis of paraffin-embedded human uterus tissue. 1, Claudin-5 Polyclonal Antibody was diluted at 1:200 (4 °C, overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval (>98 °C, 20 min). 3, secondary antibody was diluted at 1:200 (room temperature, 30 min). Negative control was used by secondary antibody only.



## Western Blotting

**Image 2.** Western Blot analysis of various cells using Claudin-5 Polyclonal Antibody diluted at 1:500.



## Immunofluorescence

**Image 3.** Immunofluorescence analysis of human liver tissue. 1, Claudin-5 Polyclonal Antibody (red) was diluted at 1:200 (4 °C, overnight). 2, Cy3 labeled secondary antibody was diluted at 1:300 (room temperature, 50 min). 3, Picture B: DAPI (blue) 10 min. Picture A: Target. Picture B: DAPI. Picture C: merge of A+B.

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN7214220.