

Datasheet for ABIN6260867

anti-Claudin 5 antibody (C-Term)**2** Images**1** Publication[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	Claudin 5 (CLDN5)
Binding Specificity:	C-Term
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Claudin 5 antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (IHC), Western Blotting (WB), Immunofluorescence (IF), Immunocytochemistry (ICC)

Product Details

Immunogen:	A synthesized peptide derived from human Claudin 5, corresponding to a region within C-terminal amino acids.
Isotype:	IgG
Specificity:	Claudin 5 Antibody detects endogenous levels of total Claudin 5.
Predicted Reactivity:	Pig,Bovine,Rabbit
Purification:	The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific).

Target Details

Target:	Claudin 5 (CLDN5)
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Target Details

Alternative Name:	CLDN5 (CLDN5 Products)
Background:	Description: Plays a major role in tight junction-specific obliteration of the intercellular space. Gene: CLDN5
Molecular Weight:	23kDa
Gene ID:	7122
UniProt:	O00501
Pathways:	Hepatitis C

Application Details

Application Notes:	WB: 1:500-1:3000, IHC: 1:50-1:200, IF/ICC 1:200, ELISA(peptide) 1:20000-1:40000
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.
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:	Store at -20 °C. Stable for 12 months from date of receipt.
Expiry Date:	12 months

Publications

Product cited in:	Yuan, Wu, Li, Niu, Tan, Qiu: "Regulation of Signaling Pathways Involved in the Anti-proliferative and Apoptosis-inducing Effects of M22 against Non-small Cell Lung Adenocarcinoma A549 Cells." in: Scientific reports , Vol. 8, Issue 1, pp. 992, (2018) (PubMed).
	Li, Liu, Zhang, Cui, Ge, Wang, Chen: "Upregulation of E-cadherin expression mediated by a novel

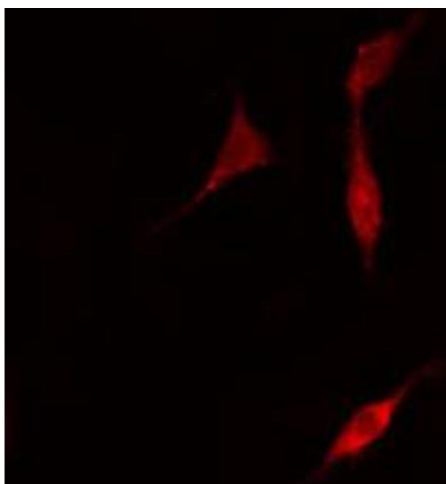
dsRNA suppresses the growth and metastasis of bladder cancer cells by inhibiting β -catenin/TCF target genes." in: **International journal of oncology**, Vol. 52, Issue 6, pp. 1815-1826, (2018) ([PubMed](#)).

Huang, Song, Tao, Shao, Zeng, Xu, Qi, Sun: "Ovostatin 2 knockdown significantly inhibits the growth, migration, and tumorigenicity of cutaneous malignant melanoma cells." in: **PLoS ONE**, Vol. 13, Issue 4, pp. e0195610, (2018) ([PubMed](#)).

Shen, Yuan, Zhao, Li, Xu, Lou, Zheng, Bu, Guo, Xi: "Novel long non-coding RNA GACAT3 promotes gastric cancer cell proliferation through the IL-6/STAT3 signaling pathway." in: **Tumour biology**, Vol. 37, Issue 11, pp. 14895-14902, (2017) ([PubMed](#)).

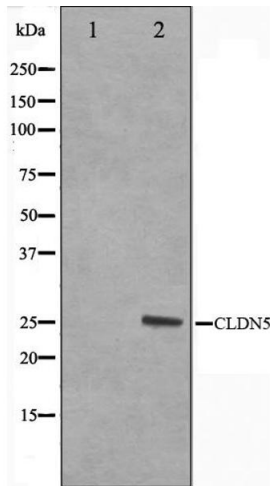
Li, Wang, Yu, Wu, Hu, Wang, Ye: "miR-3619-5p inhibits prostate cancer cell growth by activating CDKN1A expression." in: **Oncology reports**, Vol. 37, Issue 1, pp. 241-248, (2017) ([PubMed](#)).

Images



Immunofluorescence (fixed cells)

Image 1. ABIN6266510 staining A549 cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25°C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37°C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody (Cat.# S0006), diluted at 1/600, was used as secondary antibody.



Western Blotting

Image 2. Western blot analysis on A549 cell lysate using Claudin 5 Antibody, The lane on the left is treated with the antigen-specific peptide.