

Datasheet for ABIN6260869

anti-Claudin 5 antibody

4 Images

1 Publication

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Overview

Quantity:	100 µL
Target:	Claudin 5 (CLDN5)
Reactivity:	Human, Rat, Mouse, Pig, Cow
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
Isotype:	IgG
Specificity:	Claudin 5 Antibody detects endogenous levels of total Claudin 5
Cross-Reactivity:	Cow (Bovine), Human, Mouse (Murine), Pig (Porcine), Rat (Rattus)
Purification:	The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific).

Target Details

Target:	Claudin 5 (CLDN5)
Alternative Name:	Claudin 5 (CLDN5 Products)

Target Details

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

Application Details

Application Notes:	WB 1:500-1:2000 IHC 1:50-1:200 IF 1:100-1:500
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 -

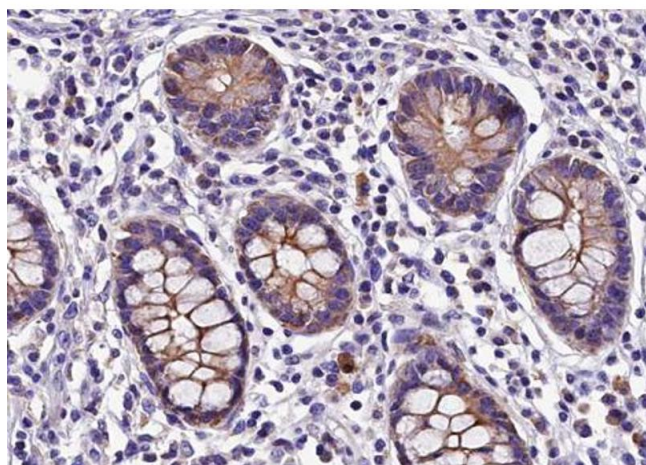
catenin/TCF target genes." in: **International journal of oncology**, Vol. 52, Issue 6, pp. 1815-1826 , (2018) ([PubMed](#)).

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



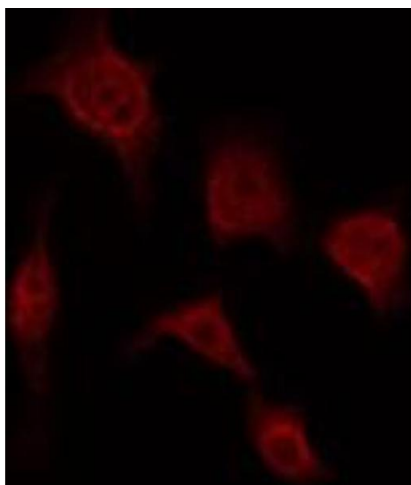
Immunohistochemistry

Image 1. ABIN6268764 at 1/100 staining human colon tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



Immunofluorescence (fixed cells)

Image 2. ABIN6268764 staining A549 cells by ICC/IF. Cells were fixed with PFA and permeabilized in 0.1% saponin prior to blocking in 10% serum for 45 minutes at 37°C. The primary antibody was diluted 1/400 and incubated with the sample for 1 hour at 37°C. A Alexa Fluor® 594 conjugated goat polyclonal to rabbit IgG (H+L), diluted 1/600 was used as secondary antibody.



Immunofluorescence (fixed cells)

Image 3. ABIN6268764 staining MCF7 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) Ab, diluted at 1/600, was used as the secondary antibody.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN6260869.