Datasheet for ABIN6260865

anti-Claudin 3 antibody (C-Term)

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Overview

Quantity:	100 µL
Target:	Claudin 3 (CLDN3)
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Claudin 3 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF), Immunocytochemistry (ICC)

Product Details

Immunogen:	A synthesized peptide derived from human Claudin 3, corresponding to a region within C-terminal amino acids.
Isotype:	IgG
Specificity:	Claudin 3 Antibody detects endogenous levels of total Claudin 3.
Predicted Reactivity:	Pig,Bovine,Sheep,Dog,Xenopus
Purification:	The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific).

Target Details

Target:	Claudin 3 (CLDN3)

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Target Details

Alternative Name:	CLDN3 (CLDN3 Products)
Background:	Description: Plays a major role in tight junction-specific obliteration of the intercellular space, through calcium-independent cell-adhesion activity. Gene: CLDN3
Molecular Weight:	25kDa
Gene ID:	1365
UniProt:	O15551
Pathways:	Hepatitis C

Application Details

Application Notes:	WB: 1:500-1:3000, IHC: 1:50-1:200, IF/ICC: 1:100-1:500, 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).

Publications

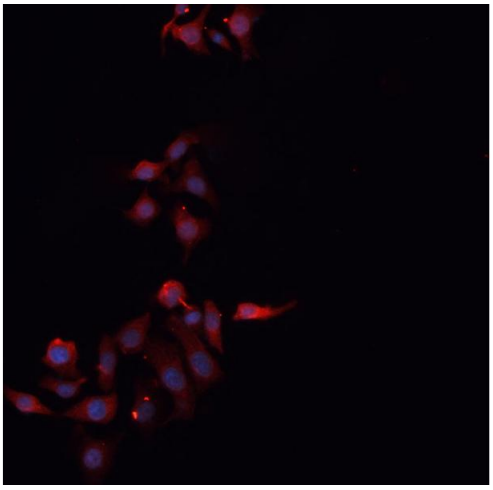
Li, Liu, Zhang, Cui, Ge, Wang, Chen: "Upregulation of E-cadherin expression mediated by a novel dsRNA suppresses the growth and metastasis of bladder cancer cells by inhibiting β-catenin/TCF target genes." in: **International journal of oncology**, Vol. 52, Issue 6, pp. 1815-1826 , (2018) (PubMed).

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).

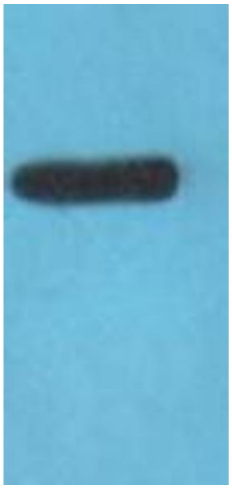
Li, Wang, Yu, Wu, Hu, Wang, Ye: "miR-3619-5p inhibits prostate cancer cell growth by activating CDKN1A expression." in: **Oncology reports**, Vol. 37, Issue 1, pp. 241-248, (2017) (PubMed).

Images



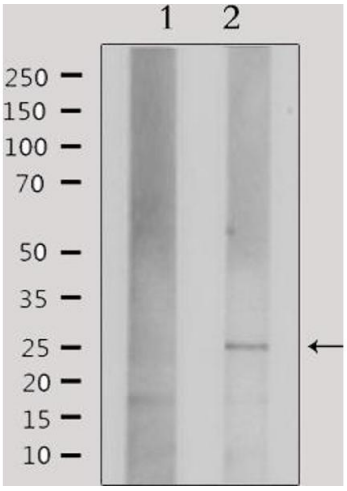
Immunofluorescence (fixed cells)

Image 1. ABIN6266509 staining MCF-7 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 COLO205 cell lysate using Claudin 3 Antibody



Western Blotting

Image 3. Western blot analysis of extracts from HepG2, using Claudin 3 Antibody. Lane 1 was treated with the antigen-specific peptide.

Please check the product details page for more images. Overall 4 images are available for ABIN6260865.