

Datasheet for ABIN1881208
anti-CLDN14 antibody (C-Term)[Go to Product page](#)

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Overview

Quantity:	400 µL
Target:	CLDN14
Binding Specificity:	AA 172-200, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CLDN14 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	This CLDN14 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 172-200 amino acids from the C-terminal region of human CLDN14.
Clone:	RB42184
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	CLDN14
Alternative Name:	CLDN14 (CLDN14 Products)
Background:	Tight junctions represent one mode of cell-to-cell adhesion in epithelial or endothelial cell

Target Details

sheets, forming continuous seals around cells and serving as a physical barrier to prevent solutes and water from passing freely through the paracellular space. These junctions are comprised of sets of continuous networking strands in the outwardly facing cytoplasmic leaflet, with complementary grooves in the inwardly facing extracytoplasmic leaflet. The protein encoded by this gene, a member of the claudin family, is an integral membrane protein and a component of tight junction strands. The encoded protein also binds specifically to the WW domain of Yes-associated protein. Defects in this gene are the cause of an autosomal recessive form of nonsyndromic sensorineural deafness. It is also reported that four synonymous variants in this gene are associated with kidney stones and reduced bone mineral density. Several transcript variants encoding the same protein have been found for this gene. [provided by RefSeq].

Molecular Weight: 25699

NCBI Accession: [NP_001139549](#), [NP_001139550](#), [NP_001139551](#), [NP_036262](#), [NP_652763](#)

UniProt: [O95500](#)

Pathways: [Cell-Cell Junction Organization](#), [Hepatitis C](#)

Application Details

Application Notes: WB: 1:1000. WB: 1:1000

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) 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: 4 °C,-20 °C

Expiry Date: 6 months

Publications

Product cited in: Sun, Sun, Chen, Liao, He, Wang, Chen, Hu, Qiu: "microRNA-27b shuttled by mesenchymal stem

cell-derived exosomes prevents sepsis by targeting JMJD3 and downregulating NF- κ B signaling pathway." in: **Stem cell research & therapy**, Vol. 12, Issue 1, pp. 14, (2021) ([PubMed](#)).

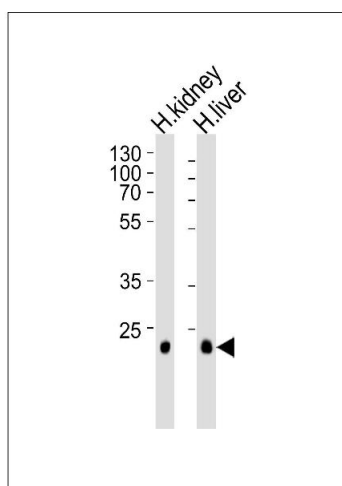
Reithmair, Buschmann, Märte, Kirchner, Hagl, Kaufmann, Pfob, Chouker, Steinlein, Pfaffl, Schelling: "Cellular and extracellular miRNAs are blood-compartment-specific diagnostic targets in sepsis." in: **Journal of cellular and molecular medicine**, Vol. 21, Issue 10, pp. 2403-2411, (2018) ([PubMed](#)).

Youn, Friesen, Kishimoto, Henne, Kurat, Ye, Ceccarelli, Sicheri, Kohlwein, McMahon, Andrews: "Dissecting BAR domain function in the yeast Amphiphysins Rvs161 and Rvs167 during endocytosis." in: **Molecular biology of the cell**, Vol. 21, Issue 17, pp. 3054-69, (2010) ([PubMed](#)).

Qian, Shi, Pang, Wu, Yu, Li, Wang, Zhou: "[Identification and expression of two new secretory proteins associated with prostate cancer]." in: **Yi chuan = Hereditas / Zhongguo yi chuan xue hui bian ji**, Vol. 32, Issue 3, pp. 235-41, (2010) ([PubMed](#)).

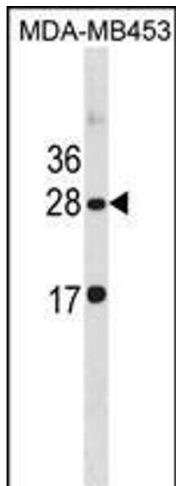
Hwangbo, Kim, Lee, Lee: "Activation of the integrin effector kinase focal adhesion kinase in cancer cells is regulated by crosstalk between protein kinase Calpha and the PDZ adapter protein mda-9/Syntenin." in: **Cancer research**, Vol. 70, Issue 4, pp. 1645-55, (2010) ([PubMed](#)).

Images



Western Blotting

Image 1. Western blot analysis of lysates from human kidney and liver tissue lysate (from left to right), using CLDN14 Antibody (C-term) (ABIN1881208 and ABIN2838931). (ABIN1881208 and ABIN2838931) was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysates at 35 μ g per lane.



Western Blotting

Image 2. CLDN14 Antibody (C-term) (ABIN1881208 and ABIN2838931) western blot analysis in MDA-M cell line lysates (35 µg/lane). This demonstrates the CLDN14 antibody detected the CLDN14 protein (arrow).