Product datasheet

Anti-Claudin 1/CLDN1 Antibody

Catalog Number: *A01585-2*

BOSTER
antibody and ELISA experts
BOSTER BIOLOGICAL TECHNOLOGY
Building C21, 3rd and 4th floors, Optics Valley Biomedical Accelerator,
Wuhan East Lake High-tech Development Zone
Web: www.boster.com ***Phone:*** 027-67845390 ***Email:*** boster@boster.com

Basic Information

Product Name	Anti-Claudin 1/CLDN1 Antibody
Gene Name	CLDN1
Source	Rabbit
Clonality	Polyclonal
Isotype	IgG
Species Reactivity	human
Tested Application	IHC, ICC/IF, IF
Contents	500 ug/ml antibody with PBS, 0.02% NaN3, 1 mg/ml BSA and 50% glycerol.
Immunogen	A synthetic peptide corresponding to a sequence in the middle region of human Claudin 1/CLDN1, identical to the related mouse and rat sequences.
Concentration	500 ug/ml
Purification	Immunogen affinity purified.
Dilution Ratios	Immunohistochemistry (IHC): 1:50-400 Immunocytochemistry/Immunofluorescence (ICC/IF):1:50-400 Immunofluorescence (IF) : 1:50-400

Storage

12 months from date of receipt，-20℃ as supplied. 6 months 2 to 8℃ after reconstitution. Avoid repeated freezing and thawing.

Background Information

Claudin-1 is a protein that in humans is encoded by the CLDN1 gene. Tight junctions represent one mode of cell-to-cell adhesion in epithelial or endothelial cell 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. Loss of function mutations result in neonatal ichthyosis-sclerosing cholangitis syndrome.

Reference

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Anti-Claudin 1/CLDN1 Antibody被引用在2文献中。

Selected Validation Data

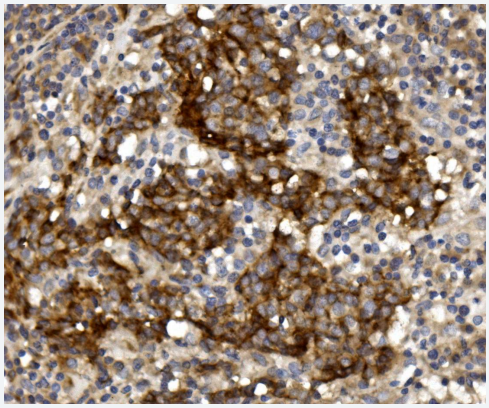

Figure 1. IHC analysis of Claudin 1/CLDN1 using anti-Claudin 1/CLDN1 antibody (A01585-2).
Claudin 1/CLDN1 was detected in a paraffin-embedded section of human lung cancer tissue. Biotinylated goat anti-rabbit IgG was used as secondary antibody. The tissue section was incubated with rabbit anti-Claudin 1/CLDN1 Antibody (A01585-2) at a dilution of 1:200 and developed using Strepavidin-Biotin-Complex (SABC) (Catalog # SA1022) with DAB (Catalog # AR1022) as the chromogen.

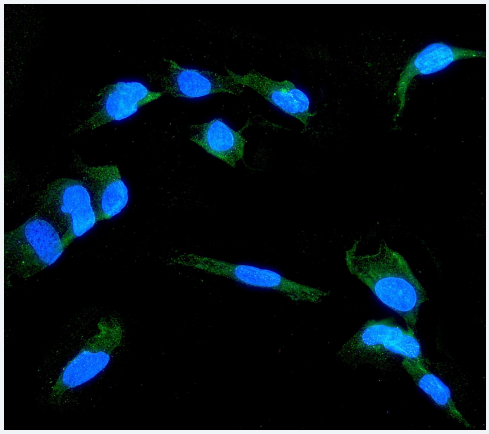

Figure 4. IF analysis of Claudin 1/CLDN1 using anti-Claudin 1/CLDN1 antibody (A01585-2).
Claudin 1/CLDN1 was detected in an immunocytochemical section of A549 cells. The section was incubated with rabbit anti-Claudin 1/CLDN1 Antibody (A01585-2) at a dilution of 1:100. DyLight®488 Conjugated Goat Anti-Rabbit IgG (Green) (Catalog # BA1127) was used as secondary antibody. The section was counterstained with DAPI (Catalog # AR1176) (Blue).

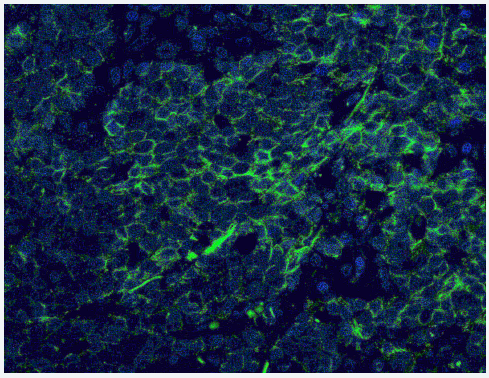

Figure 5.IF analysis using anti- CLDN1 antibody (A01585-2) . detected in paraffin-embedded section of human lung cancer tissue. The tissue section were stained using the Dylight488-conjugated Anti-rabbit IgG Secondary Antibody (green)(Catalog#BA1127) and counterstained with DAPI (blue).

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