BOSTER BIOLOGICAL TECHNOLOGY
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Anti-Claudin 4/CLDN4-Specific antibody

Catalog Number: A03683-2

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Overview

Product Name	Anti-Claudin 4/CLDN4-Specific antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Claudin 4/CLDN4-Specific antibody catalog # A03683-2. Tested in WB, IHC, IF, IP, ELISA applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, IP, IF, IHC, WB
Clonality	Polyclonal
Formulation	500 ug/ml antibody with PBS, 0.02% NaN3, 1 mg stabilizing protein and 50% glycerol *This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	12 months from date of receipt□-20°C as supplied. 6 months 2 to 8°C after reconstitution. Avoid repeated freezing and thawing.
Host	Rabbit
Uniprot ID	O14493

Technical Details

Immunogen	Peptid
Form	Liquid
Concentration	500 ug/ml
Purification	Immunogen affinity purified.
Suggested Dilutions	Western blot, 1:500-2000 Immunohistochemistry, 1:50-400 Immunofluorescence, 1:50-400 Immunoprecipitation, 1:50

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	ELISA, 1:100-1000

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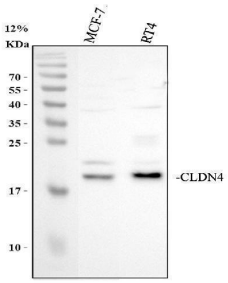
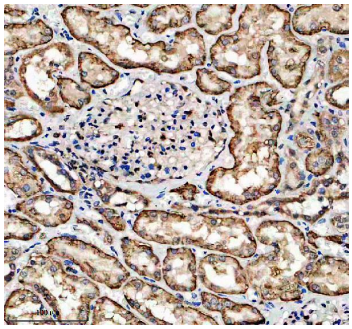
Anti-Claudin 4/CLDN4-Specific antibody (A03683-2) Images



Western blot analysis of Claudin 4/CLDN4-Specific using anti-Claudin 4/CLDN4-Specific antibody (A03683-2). Electrophoresis was performed on a 12% SDS-PAGE gel at 80V (Stacking gel) / 120V (Resolving gel) for 2 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: human MCF-7 whole cell lysates, Lane 2: human RT4 whole cell lysates.After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-Claudin 4/CLDN4-Specific antigen affinity purified polyclonal antibody (A03683-2) at 1:1000 overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an ECL Plus Western Blotting Substrate (Catalog # AR1196-200) with Tanon 5200 system. A specific band was detected for Claudin 4/CLDN4-Specific at approximately 21 kDa. The expected band size for Claudin 4/CLDN4-Specific is at 21 kDa.



IHC analysis of Claudin 4/CLDN4-Specific using anti-Claudin 4/CLDN4-Specific antibody (A03683-2). Claudin 4/CLDN4-Specific was detected in a paraffin-embedded section of human kidney tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1:200 rabbit anti-Claudin 4/CLDN4-Specific Antibody (A03683-2) overnight at 4°C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB as the chromogen.

For Research Use Only. Not for use in diagnostic procedures.