

Anti-Claudin 5/CLDN5 Antibody

Catalog Number: RP1043

About CLDN5

Claudin-5 (CLDN5) also known as BEC1, is a protein that in humans is encoded by the CLDN5 gene. By use of yeast artificial chromosomes, Claudin-5 is localized between polymorphic markers D22S944 and D22S941 on chromosome 22q11, both of which are deleted in more than 80% of VCFS patients. This gene encodes a member of the claudin family. Claudins are integral membrane proteins and components of tight junction strands. Tight junction strands serve as a physical barrier to prevent solutes and water from passing freely through the paracellular space between epithelial or endothelial cell sheets. What's more, it plays a major role in tight junction-specific obliteration of the intercellular space.

Overview

Product Name	Anti-Claudin 5/CLDN5 Antibody
Reactive Species	Human, Rat
Description	Boster Bio Anti-Claudin 5/CLDN5 Antibody catalog # RP1043. Tested in WB applications. This antibody reacts with Human, Rat.
Application	WB
Clonality	Polyclonal
Formulation	Each vial contains 4mg Trehalose, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ .
Storage Instructions	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	O00501

Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human Claudin 5, different from the related mouse sequence by three amino acids and from the related rat sequence by four amino acids.
Predicted Reactive Species	Bovine
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Lyophilized

Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	Dilute the sample so that the expected range of concentrations fall within the detection range of this kit. If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples. Some PubMed article(s) citing the expression level of this target are as follows: Boster Bio's internal QC testing used: Western blot, 0.1-0.5ug/ml, Rat, Human

Anti-Claudin 5/CLDN5 Antibody (RP1043) Images



Anti-Claudin 5 Picoband antibody, RP1043, Western blotting
All lanes: Anti Claudin-5 (RP1043) at 0.5ug/ml
WB: Rat Liver Tissue Lysate at 50ug
Predicted bind size: 23KD
Observed bind size: 23KD

1 Publications Citing This Product

1. PubMed ID: 23600383, Cen J, Liu L, Li Ms, He L, Wang Lj, Liu Yq, Liu M, Ji Bs. J Pharm Pharmacol. 2013 May;65(5):665-72. Doi: 10.1111/Jphp.12033. Epub 2013 Feb 26. Alteration In P-Glycoprotein At The Blood-Brain Barrier In The Early Period Of Mcao In Rats.

Visit bosterbio.com/anti-claudin-5-antibody-rp1043-boster.html to see all 1 publications.

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