bs-13753R **[Primary Antibody]**

Claudin 15 Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 24146 **SWISS:** P56746

Target: Claudin 15

Immunogen: KLH conjugated synthetic peptide derived from human Claudin 15: 101-180/228. < Extracellular >

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: The claudin superfamily consists of many structurally related proteins in humans. These proteins are important structural and functional components of tight junctions in paracellular transport. Claudins are located in both epithelial and endothelial cells in all tight junction-bearing tissues. Three classes of proteins are known to localize to tight junctions, including the claudins, Occludin and Junction adhesion molecules. Claudins, which consist of four transmembrane domains and two extracellular loops, make up tight junction strands. Claudin expression is often highly restricted to specfic regions of different tissues and may have an important role in transcellular transport through tight junctions. Claudin-15 is a 228 amino acid multi-pass membrane protein that belongs to the claudin family and plays an important role in cell-adhesion activity and tight junction-specific events.

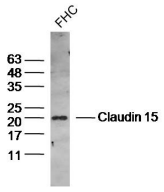
Applications: **WB** (1:500-2000)

Reactivity: Human

Predicted MW.: 22 kDa

Subcellular Location: Cell membrane

VALIDATION IMAGES



Sample:FHC(Human)cell Lysate at 40 ug
Primary: Anti-Claudin 15(bs-13753R)at 1/300 dilution Secondary: IRDye800CW Goat Anti-RabbitIgG at 1/20000 dilution Predicted band size: 22kD Observed band size: 20kD

SELECTED CITATIONS

- **[IF=8.786]** Ying Xiao. et al. Matrix metalloproteinase 7 contributes to intestinal barrier dysfunction by degrading tight junction protein Claudin-7.. FRONT IMMUNOL. 2022 Oct;13:1020902-1020902 WB ;Human. 36275703
- **[IF=4.718]** Kline KT et al. Neonatal Injury Increases Gut Permeability by Epigenetically Suppressing E-Cadherin in Adulthood. J Immunol. 2020 Feb 15;204(4):980-989. WB ;Rat. 31889022