Claudin-5 (S201) polyclonal antibody

Catalog: BCP00508 Host: Rabbit Reactivity: Human,Mouse,Rat

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. Claudins, which consist of four transmembrane domains and two extracellular loops, make up tight junction strands. Claudin expression is highly restricted to specfic regions of different tissues and may have an important role in transcellular transport through tight junctions. Claudin-5 is expressed in the endothelial junctions of the rat liver and in junctions of acinar cells of the pancreas. Human claudin-5 is abundantly expressed in adult lung, heart and skeletal muscle and is deleted in patients with velocardiofacial syndrone, which is characterized by cleft palate, facial dysmorphology and conotruncal heart defects.

Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

~ 23 kDa

Swiss-Prot:

O00501

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1:500~1:1000

IHC: 1:50~1:200

IF: 1:50~1:200

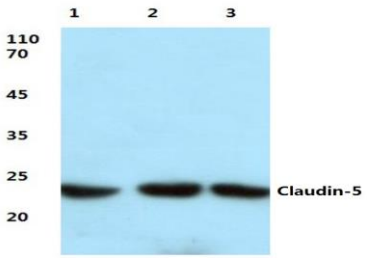
Storage&Stability:

Store at 4℃ short term. Aliquot and store at -20℃ long term. Avoid freeze-thaw cycles.

Specificity:

Claudin 5 (S201) polyclonal antibody detects endogenous levels of Claudin 5 protein.

DATA:

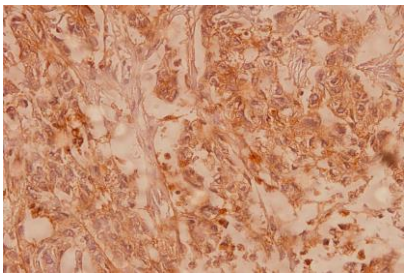


Western blot (WB) analysis of Claudin-5 (S201) polyclonal antibody at 1:500 dilution

Lane1:Hela cell lysate treated with LPS

Lane2:Mouse liver tissue lysate

Lane3:Rat lung tissue lysate



Immunohistochemistry (IHC) analyzes of Claudin-5 (S201) pAb in paraffin-embedded human breast carcinoma tissue at 1:100.

Note:

For research use only, not for use in diagnostic procedure.

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