

## Claudin-4 (phospho-Y208) polyclonal antibody

Catalog: BS64164

Host: Rabbit

Reactivity: Human,Rat,Mouse

### 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 molecule. Claudins, which consist of four transmembrane domains and two extracellular loops make up tight junction strands. Claudin expression is highly restricted to specific regions of different tissues and may have an important role in transcellular transport through tight junctions. Claudin-4 is not expressed in rat liver, whereas in pancreas, claudin-4 is localized to junctions of the duct epithelia and junctions of acinar cells. In the rat gut, claudin-4 displays highly restricted expression to colonic surface cells. The human claudin-4 gene maps to chromosome 7q11.23.

### Product:

1 mg/ml in Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.3.

### Molecular Weight:

~ 22 kDa

### Swiss-Prot:

O14493

### 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

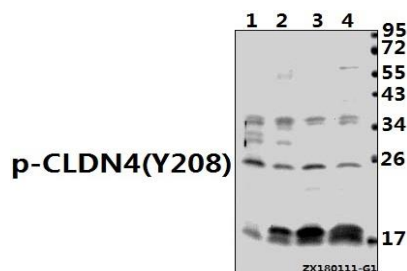
### Storage&Stability:

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

### Specificity:

Claudin-4 (phospho-Y208) polyclonal antibody detects endogenous levels of CLDN4 protein only when phosphorylated at Tyr208.

### DATA:



Western blot (WB) analysis of Claudin-4 (phospho-Y208) polyclonal antibody at 1:500 dilution

Lane1:The Embryo tissue lysate of Mouse(40ug)

Lane2:The Uterus tissue lysate of Rat(40ug)

Lane3:Panc1 whole cell lysate(40ug)

Lane4:HCT116 whole cell lysate(40ug)

### Note:

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

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