

## Claudin-7 (S204) polyclonal antibody

Catalog: BS3763

Host: Rabbit

Reactivity: Human, 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. Three classes of proteins are known to localize to tight junctions, including the Claudins, Occludin and junction adhesion molecule (JAM). 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. mRNA studies indicate that claudin-7 is specifically expressed in mouse lung and kidney, but not in heart, brain, spleen, liver, skeletal muscle or testis. The gene encoding human claudin-7 maps to chromosome 17p13.

### Product:

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

### Molecular Weight:

~ 22 kDa

### Swiss-Prot:

O95471

### 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

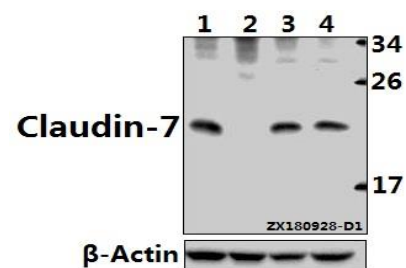
### Storage&Stability:

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

### Specificity:

Claudin-7 (S204) polyclonal antibody detects endogenous levels of Claudin-7 protein.

### DATA:



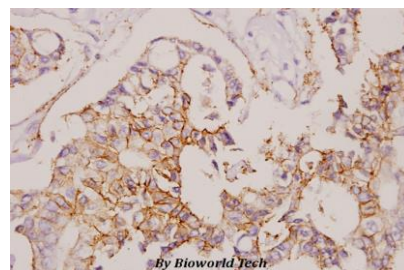
Western blot (WB) analysis of Claudin-7 (S204) pAb at 1:500 dilution

Lane1:Beas-2B whole cell lysate(40ug)

Lane2:HEK293T whole cell lysate(40ug)

Lane3:PC12 whole cell lysate(40ug)

Lane4:Hela whole cell lysate(40ug)



Immunohistochemistry (IHC) analyzes of Claudin-7 (S204) pAb in paraffin-embedded human breast carcinoma tissue at 1:50.

### Note:

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

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