Claudin 18 monoclonal antibody

Catalog: MB66118 Host: Mouse Reactivity: Human

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 . Emerging evidence suggests that the Claudin family of proteins regulates transport through tight junctions via differential discrimination for solute size and charge .Claudin expression is often highly restricted to specfic regions of different tissues and may have an important role in transcellular transport through tight junctions .

Product:

Mouse IgG1. Liquid in PBS containing 50% glycerol, 0.2% BSA and 0.01% sodium azide.

Molecular Weight:

~ 27 kDa

Swiss-Prot:

P56856

Purification&Purity:

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

Applications:

IHC (1/100 - 1/300)

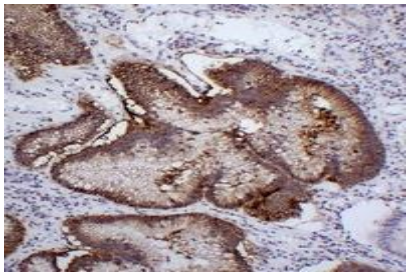
Storage&Stability:

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

Specificity:

Recognizes endogenous levels of Claudin 18 protein.

DATA:



Immunohistochemical analysis of Claudin 18 staining in human stomach formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

Note:

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

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