

**bs-13739R****[ Primary Antibody ]****Claudin 10 Rabbit pAb****Bioss**  
**ANTIBODIES**

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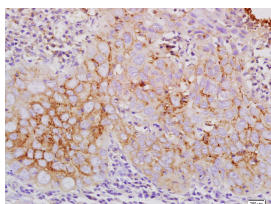
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**— DATASHEET —**

<b>Host:</b> Rabbit	<b>Isotype:</b> IgG	<b>Applications:</b> <b>IHC-P</b> (1:100-500) <b>IHC-F</b> (1:100-500) <b>IF</b> (1:100-500)
<b>Clonality:</b> Polyclonal		
<b>GeneID:</b> 9071	<b>SWISS:</b> P78369	
<b>Target:</b> Claudin 10		<b>Reactivity:</b> Human (predicted: Mouse, Rat, Rabbit, Pig, Sheep, Cow, Horse)
<b>Immunogen:</b> KLH conjugated synthetic peptide derived from human Claudin 10: 151-228/228.		
<b>Purification:</b> affinity purified by Protein A		<b>Predicted MW.:</b> 24 kDa
<b>Concentration:</b> 1mg/ml		<b>Subcellular Location:</b> Cell membrane
<b>Storage:</b> 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.		
<b>Background:</b> 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 specific regions of different tissues and may have an important role in transcellular transport through tight junctions. Claudin-10 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.		

**— VALIDATION IMAGES —**

Tissue/cell: human laryngo carcinoma; 4%  
Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Incubation: Anti-Claudin-10 Polyclonal Antibody, Unconjugated(bs-13739R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining