Claudin-3 (Phospho Tyr219) Rabbit pAb

CatalogNo: YP0464 **Orthogonal Validated**

Key Features

Host Species	Reactivity	Applications
• Rabbit	• Human,Mouse,Rat	• WB,IHC,IF,ELISA

MW	Isotype
• 28kD (Observed)	• IgG

Storage

Storage*	-15°C to -25°C/1 year (Do not lower than -25°C)
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Recommended Dilution Ratios

WB 1:500-1:2000
IHC 1:100-1:300
ELISA 1:5000
IF 1:50-200

Basic Information

Clonality	Polyclonal

Immunogen Information

Immunogen	The antiserum was produced against synthesized peptide derived from human Claudin 3 around the phosphorylation site of Tyr219. AA range:171-220

Specificity Phospho-Claudin-3 (Y219) Polyclonal Antibody detects endogenous levels of Claudin-3 protein only when phosphorylated at Y219.The name of modified sites may be influenced by many factors, such as species (the modified site was not originally found in human samples) and the change of protein sequence (the previous protein sequence is incomplete, and the protein sequence may be prolonged with the development of protein sequencing technology). When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports. The antibody binds to the following modification sequence (lowercase letters are modification sites):RKDyV

Target Information

Gene name CLDN3

Protein Name Claudin-3

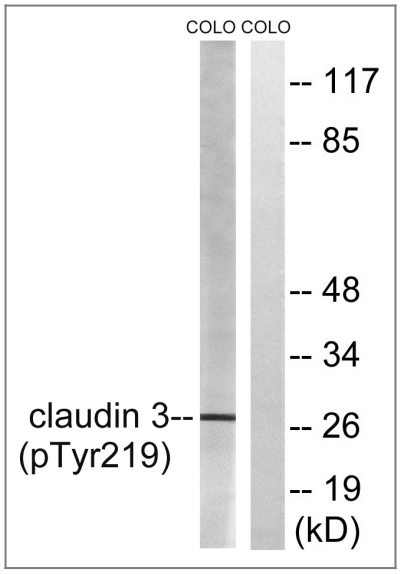
Organism	Gene ID	UniProt ID
Human	1365;	O15551;
Mouse	12739;	Q9Z0G9;

Cellular Localization Cell junction , tight junction . Cell membrane ; Multi-pass membrane protein .

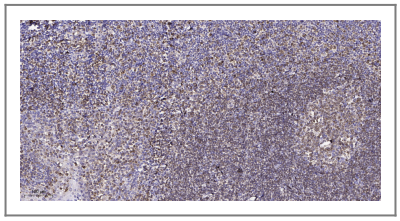
Tissue specificity Colon ,Salivary gland ,

Function Disease:Haploinsufficiency of CLDN3 may be the cause of certain cardiovascular and musculo-skeletal abnormalities observed in Williams-Beuren syndrome (WBS) , a rare developmental disorder. It is a contiguous gene deletion syndrome involving genes from chromosome band 7q11.23. ,Function:Plays a major role in tight junction-specific obliteration of the intercellular space , through calcium-independent cell-adhesion activity. ,similarity:Belongs to the claudin family. ,subunit:Can form homo- and heteropolymers with other CLDN. Homopolymers interact with CLDN1 and CLDN2 homopolymers. Directly interacts with TJP1/ZO-1 , TJP2/ZO-2 and TJP3/ZO-3. ,

Validation Data



Western blot analysis of lysates from COLO205 cells treated with EGF 200ng/ml 30', using Claudin 3 (Phospho-Tyr219) Antibody. The lane on the right is blocked with the phospho peptide.



Immunohistochemical analysis of paraffin-embedded human tonsil. 1, Antibody was diluted at 1:200 (4℃ overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200 (room temperature, 45min).

Contact information

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Please scan the QR code to access additional product information:
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