Best Tools for immunology Research

Claudin-4 (phospho Tyr208) Polyclonal Antibody

Catalog No :	YP1088
Reactivity :	Human;Rat;Mouse;
Applications :	IHC;IF;ELISA
Target :	Claudin-4
Fields :	>>Cell adhesion molecules;>>Tight junction;>>Leukocyte transendothelial migration;>>Pathogenic Escherichia coli infection;>>Hepatitis C
Gene Name :	CLDN4
Protein Name :	Claudin-4
Human Gene Id :	1364
Human Swiss Prot No :	O14493
Mouse Swiss Prot No :	O35054
Immunogen :	The antiserum was produced against synthesized peptide derived from human Claudin 4 around the phosphorylation site of Tyr208. AA range:160-209
Specificity :	Phospho-Claudin-4 (Y208) Polyclonal Antibody detects endogenous levels of Claudin-4 protein only when phosphorylated at Y208.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	IHC 1:100 - 1:300. ELISA: 1:5000.. IF 1:50-200
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml

Storage Stability : -15°C to -25°C/1 year(Do not lower than -25°C)

Molecularweight : 22kD

Cell Pathway : Cell adhesion molecules (CAMs);Tight junction;Leukocyte transendothelial migration;

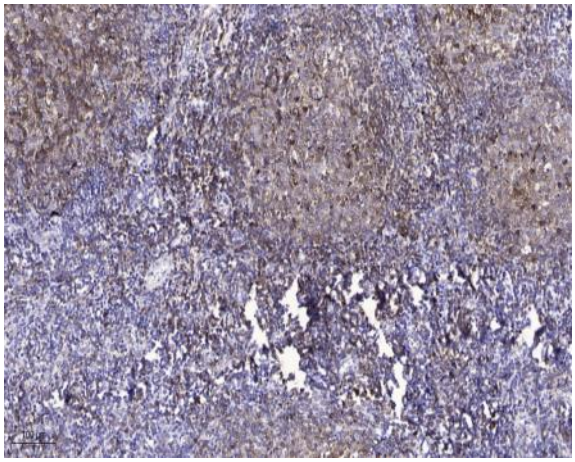
Background : The protein encoded by this intronless gene belongs to the claudin family. Claudins are integral membrane proteins that are components of the epithelial cell tight junctions, which regulate movement of solutes and ions through the paracellular space. This protein is a high-affinity receptor for Clostridium perfringens enterotoxin (CPE) and may play a role in internal organ development and function during pre- and postnatal life. This gene is deleted in Williams-Beuren syndrome, a neurodevelopmental disorder affecting multiple systems. [provided by RefSeq, Sep 2013],

Function : disease:Haploinsufficiency of CLDN4 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.,similarity:Belongs to the claudin family.,subunit:Directly interacts with TJP1/ZO-1, TJP2/ZO-2 and TJP3/ZO-3.,

Subcellular Location : Cell junction, tight junction . Cell membrane ; Multi-pass membrane protein . CLDN4 is required for tight junction localization in the kidney. .

Expression : Colon,Fetal brain,Trachea,

Products Images



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).