Best Tools for immunology Research

Claudin 4 (ABT188R) rabbit mAb

Catalog No :	YM7088
Reactivity :	Human;
Applications :	WB;IHC; 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 (Clostridium perfringens enterotoxin receptor) (CPE-R) (CPE-receptor) (Williams-Beuren syndrome chromosomal region 8 protein)
Human Gene Id :	1364
Human Swiss Prot No :	O14493
Immunogen :	Synthesized peptide derived from human Claudin 4 AA range:150-209
Specificity :	This antibody detects endogenous levels of Claudin-4
Formulation :	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA
Source :	Monoclonal, Rabbit IgG1, Kappa
Dilution :	IHC 1:100-500, WB 1:500-1000, ELISA 1:5000-20000
Purification :	Recombinant Expression and Affinity purified
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Molecularweight :	22kD
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,

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