

Claudin 7 (ABT189R) rabbit mAb

Catalog No :	YM7089
Reactivity :	Human; Mouse (predicted: Rat)
Applications :	IHC; WB; ELISA
Target :	Claudin 7
Fields :	>>Cell adhesion molecules;>>Tight junction;>>Leukocyte transendothelial migration;>>Pathogenic Escherichia coli infection;>>Hepatitis C
Gene Name :	CLDN7 CEPTL2 CPETRL2
Protein Name :	CEPTR L2;CEPTL 2;CEPTL2;Claudin 1;Claudin 7;Claudin 9;Claudin-7;Claudin1;Claudin7;Claudin9;CLD7_HUMAN;CLDN 7;CLDN-7;CLDN7;Clostridium perfringens enterotoxin receptor like 2;CPETR L2;CPETRL 2;CPETRL
Human Gene Id :	1366
Human Swiss Prot No :	O95471
Mouse Swiss Prot No :	Q9Z261
Rat Swiss Prot No :	Q9Z1L1
Immunogen :	Synthesized peptide derived from human Claudin 7 AA range:100-211
Specificity :	This antibody detects endogenous levels of Claudin 7
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 : 23kD

Background : This gene encodes a member of the claudin family. Claudins are integral membrane proteins and components of tight junction strands. Tight junction strands serve as a physical barrier to prevent solutes and water from passing freely through the paracellular space between epithelial or endothelial cell sheets, and also play critical roles in maintaining cell polarity and signal transductions. Differential expression of this gene has been observed in different types of malignancies, including breast cancer, ovarian cancer, hepatocellular carcinomas, urinary tumors, prostate cancer, lung cancer, head and neck cancers, thyroid carcinomas, etc.. Alternatively spliced transcript variants encoding different isoforms have been found.[provided by RefSeq, May 2010],

Function : function:Plays a major role in tight junction-specific obliteration of the intercellular space.,induction:By androgens.,similarity:Belongs to the claudin family.,subunit:Directly interacts with TJP1/ZO-1, TJP2/ZO-2 and TJP3/ZO-3.,tissue specificity:Expressed in kidney, lung and prostate. Isoform 1 seems to be predominant, except in some normal prostate samples, where isoform 2 is the major form. Down-regulated in breast cancers, including ductal carcinoma in situ (DCIS), lobular carcinoma in situ (LCIS) and invasive ductal carcinoma (IDC) (at protein level), as well as in several cancer cell lines. Loss of expression correlates with histological grade, occurring predominantly in high-grade lesions.,

Subcellular Membranous

Location :**Expression :** kindey

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