Claudin 7 (Phospho Tyr210) Rabbit pAb

CatalogNo: YP0466

Key Features

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

MW	Isotype
• 32kD (Observed)	• IgG

Recommended Dilution Ratios

WB 1:500-1:2000
ELISA 1:5000
Not yet tested in other applications.

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.

Basic Information

Clonality	Polyclonal

Immunogen Information

Immunogen	The antiserum was produced against synthesized peptide derived from human Claudin 7 around the phosphorylation site of Tyr210. AA range:162-211
Specificity	Phospho-Claudin-7 (Y210) Polyclonal Antibody detects endogenous levels of Claudin-7 protein only when phosphorylated at Y210.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 When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports.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):SKEyV

Target Information

Gene name CLDN7 CEPTRL2 CPETRL2

Protein Name Claudin-7

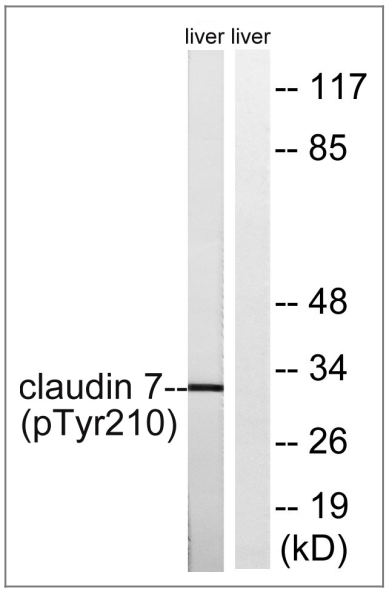
Organism	Gene ID	UniProt ID
Human	1366;	Q95471;
Mouse	53624;	Q9Z261;
Rat	65132;	Q9Z1L1;

Cellular Localization Cell membrane ; Multi-pass membrane protein . Basolateral cell membrane . Cell junction, tight junction . Co-localizes with EPCAM at the basolateral cell membrane and tight junction. .

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.

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.,

Validation Data



Western blot analysis of lysates from rat liver, using Claudin 7 (Phospho-Tyr210) Antibody. The lane on the right is blocked with the phospho peptide.

Contact information

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Please scan the QR code to access additional product information:
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