

## Claudin 7 (Phospho Tyr210) Rabbit pAb

CatalogNo: YP0466

### Key Features

#### Host Species

- Rabbit

#### Reactivity

- Human, Mouse, Rat

#### Applications

- WB, ELISA

#### MW

- 32kD (Observed)

#### Isotype

- 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**

**ELISA 1:5000**

**Not yet tested in other applications.**

### 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 When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports.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

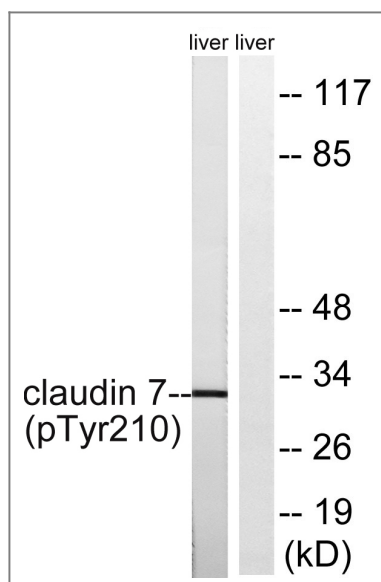
Organism	Gene ID	UniProt ID
Human	<a href="#">1366</a> ;	<a href="#">O95471</a> ;
Mouse	<a href="#">53624</a> ;	<a href="#">Q9Z261</a> ;
Rat	<a href="#">65132</a> ;	<a href="#">Q9Z1L1</a> ;

**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:  
**Claudin 7 (Phospho Tyr210) Rabbit pAb**

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