

For Research Use Only

# Claudin 7 Polyclonal antibody

Catalog Number: 10118-1-AP

11 Publications



## Basic Information

### Catalog Number:

10118-1-AP

### Size:

150ul, Concentration: 600 µg/ml by Nanodrop and 250 µg/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG0159

### GenBank Accession Number:

BC001055

### GeneID (NCBI):

1366

### UNIPROT ID:

O95471

### Full Name:

claudin 7

### Calculated MW:

22.4 kDa

### Observed MW:

23 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

IHC 1:200-1:800

## Applications

### Tested Applications:

IHC, ELISA

### Cited Applications:

IHC, IF

### Species Specificity:

human, mouse

### Cited Species:

human, mouse

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

### Positive Controls:

IHC : human breast cancer tissue,

## Background Information

Claudins are a family of proteins that are the most important components of tight junctions, where they establish the paracellular barrier that controls the flow of molecules in the intercellular space between the cells of an epithelium. They are small (20-27 kilodalton (kDa)) proteins with very similar structures. They have four transmembrane domains, with the N-terminus and the C-terminus in the cytoplasm.

## Notable Publications

Author	Pubmed ID	Journal	Application
Yiming Shen	34767782	Eur J Pharmacol	
Bei Yue	34795594	Front Pharmacol	
Guangzhu Dong	35554491	Biol Reprod	IF

## Storage

### Storage:

Store at -20°C. Stable for one year after shipment.

### Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

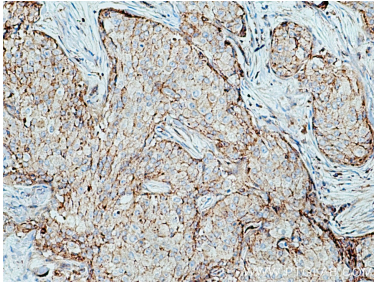
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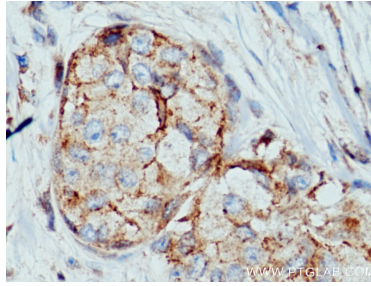
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## Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 10118-1-AP (Claudin 7 antibody) at dilution of 1:800 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 10118-1-AP (Claudin 7 antibody) at dilution of 1:800 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).