



## Rabbit Anti-Claudin 5 antibody

SL1241R

<b>Product Name:</b>	Claudin 5
<b>Chinese Name:</b>	紧密连接蛋白5抗体
<b>Alias:</b>	Androgen withdrawal and apoptosis induced protein RVP1 like; AWAL; BEC 1; BEC1; Claudin 5 (transmembrane protein deleted in velocardiofacial syndrome); Claudin-5; Claudin5; CLD5_HUMAN; CLDN 5; CLDN5; CPETR L1; CPETRL 1; CPETRL1; TMDVCF; TMVCF; Transmembrane protein deleted in VCFS; Transmembrane protein deleted in velocardiofacial syndrome.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Dog,Pig,Cow,Rabbit,
<b>Applications:</b>	IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	24kDa
<b>Cellular localization:</b>	The cell membrane
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human claudin 5:29-81/218<Extracellular>
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	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. Mutations in this gene have been found in patients with velocardiofacial syndrome. Alternatively spliced transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, Aug 2008]

**Subunit:**

Directly interacts with TJP1/ZO-1, TJP2/ZO-2 and TJP3/ZO-3. Interacts with MPDZ.

**Subcellular Location:**

Cell junction, tight junction. Cell membrane; Multi-pass membrane protein.

**Similarity:**

Belongs to the claudin family.

**SWISS:**

O00501

**Gene ID:**

7122

**Database links:**

[Entrez Gene: 7122](#) Human

[Entrez Gene: 12741](#) Mouse

[Omim: 602101](#) Human

[SwissProt: Q2HJ22](#) Cow

[SwissProt: O00501](#) Human

[SwissProt: O54942](#) Mouse

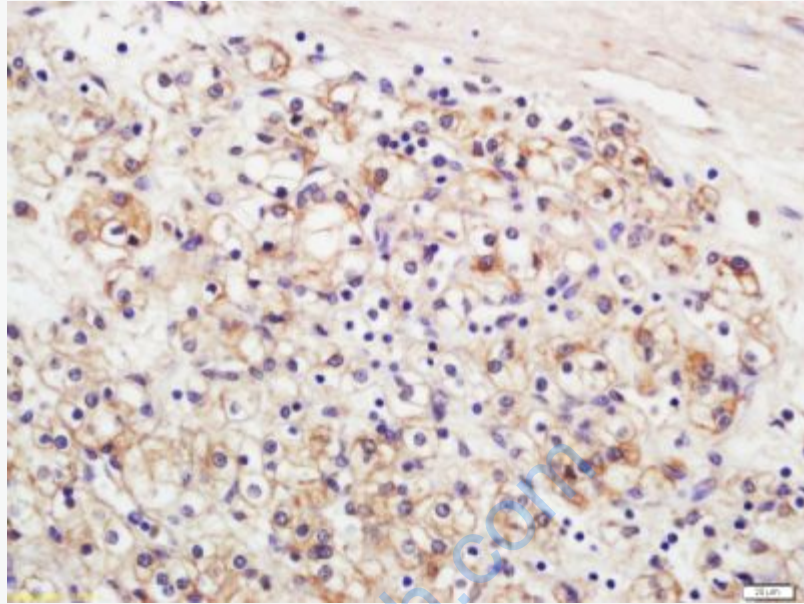
[Unigene: 505337](#) Human

[Unigene: 22768](#) Mouse

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

claudin-5是构成紧密连接复合物的主要成分,是控制物质穿过内皮和epithelial cells间连接的关键蛋白,在维持细胞间离子和溶质选择性渗透中起到一定的作用。

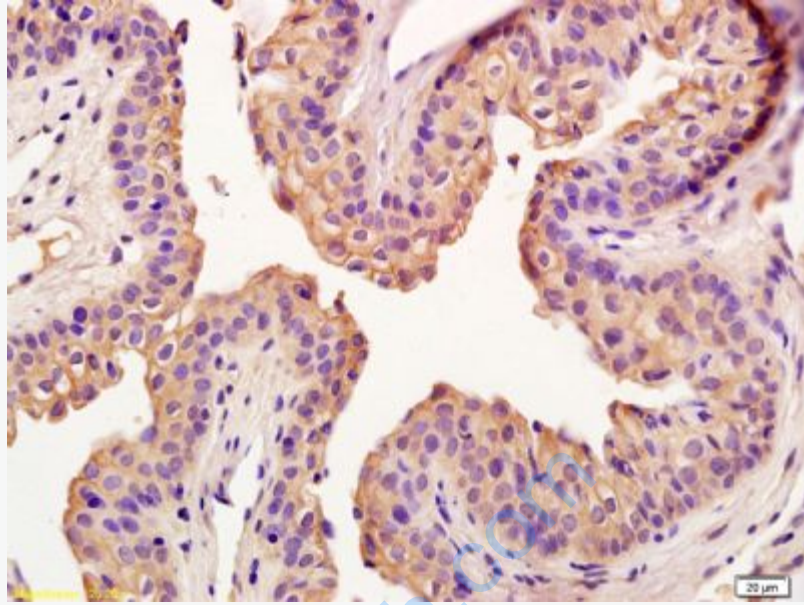


**Picture:**

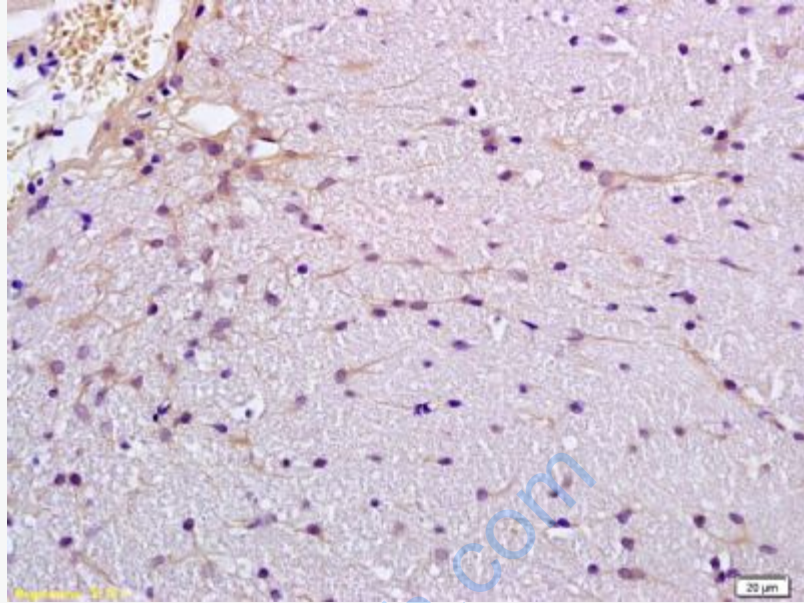
Tissue/cell: human kidney cancer; 4% Paraformaldehyde-fixed and paraffin-embedded;

Antigen retrieval: citrate buffer ( 0.01M, pH 6.0 ), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;

Incubation: Anti-Claudin Polyclonal Antibody, Unconjugated(SL1241R) 1:500, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Tissue/cell: rat penis tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;  
Antigen retrieval: citrate buffer ( 0.01M, pH 6.0 ), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;  
Incubation: Anti-Claudin-5 Polyclonal Antibody, Unconjugated(SL1241R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Tissue/cell: rat brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;  
Antigen retrieval: citrate buffer ( 0.01M, pH 6.0 ), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;  
Incubation: Anti-Claudin-5 Polyclonal Antibody, Unconjugated(SL1241R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining