

**Claudin 16 Polyclonal Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP55270****Specification****Claudin 16 Polyclonal Antibody - Product Information**

Application	IHC-P, IHC-F, IF, ICC, E
Primary Accession	<a href="#">Q9Y5I7</a>
Reactivity	Rat, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	26078

**Claudin 16 Polyclonal Antibody - Additional Information****Gene ID** 10686**Other Names**

Claudin-16, Paracellin-1, PCLN-1, CLDN16, PCLN1

**Dilution**

IHC-P ~ ~ N/A  
IHC-F ~ ~ N/A  
IF ~ ~ 1:50 ~ 200  
ICC ~ ~ N/A  
E ~ ~ N/A

**Format**

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

**Storage**

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. 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.

**Claudin 16 Polyclonal Antibody - Protein Information****Name** CLDN16 {ECO:0000303|PubMed:18188451, ECO:0000312|HGNC:HGNC:2037}**Function**

Forms paracellular channels: coassembles with CLDN19 into tight junction strands with cation-selective channels through the strands, conveying epithelial permeability in a process known as paracellular tight junction permeability (PubMed: [16234325](http://www.uniprot.org/citations/16234325), PubMed: [18188451](http://www.uniprot.org/citations/18188451), PubMed: [28028216](http://www.uniprot.org/citations/28028216)). Involved in the maintenance of ion gradients along the nephron. In the thick ascending limb (TAL) of Henle's loop, facilitates sodium paracellular permeability from the interstitial compartment to the lumen, contributing to the lumen- positive transepithelial potential that drives paracellular magnesium and calcium reabsorption (PubMed: [10390358](http://www.uniprot.org/citations/10390358))

target="\_blank">10390358</a>, PubMed:<a href="http://www.uniprot.org/citations/11518780" target="\_blank">11518780</a>, PubMed:<a href="http://www.uniprot.org/citations/14628289" target="\_blank">14628289</a>, PubMed:<a href="http://www.uniprot.org/citations/16528408" target="\_blank">16528408</a>, PubMed:<a href="http://www.uniprot.org/citations/28028216" target="\_blank">28028216</a>).

**Cellular Location**

Cell junction, tight junction. Cell membrane; Multi-pass membrane protein. Note=Cotrafficks with CLDN19 from ER to tight junctions.

**Tissue Location**

Kidney-specific, including the thick ascending limb of Henle (TAL).

**Claudin 16 Polyclonal Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**Claudin 16 Polyclonal Antibody - Images**