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Claudin 17 Rabbit pAb

Catalog # AP97255

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	P56750
Other Accession	P56750
Reactivity	Human
Predicted	Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	24603
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human Claudin 17
Epitope Specificity	29-81/224
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the claudin family.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	The claudin superfamily consists of many structurally related proteins in humans. These proteins are important structural and functional components of tight junctions in paracellular transport. Claudins are located in both epithelial and endothelial cells in all tight junction-bearing tissues. Three classes of proteins are known to localize to tight junctions, including the claudins, Occludin and Junction adhesion molecules (JAMs). Claudins, which consist of four transmembrane domains and two extracellular loops make up tight junction strands. Emerging evidence suggests that the Claudin family of proteins regulates transport through tight junctions via differential discrimination for solute size and charge. Mammalian claudin-17 and claudin-8 may be the result of a gene duplication. Claudin-17 is expressed in stratum granulosum of the epidermis and infundibulum and predominantly localizes to the plasma membrane.

Additional Information

Gene ID	26285
Other Names	CLD17_HUMAN; CLDN17; CLD17_MOUSE; claudin 17
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
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.

Protein Information

Name	CLDN17
Function	Channel-forming tight junction protein with selectivity for anions, including chloride and hydrogencarbonate, and for solutes smaller than 9 Angstrom in diameter. In the kidney proximal tubule, may be involved in paracellular reabsorption of filtered anions. Does not affect water permeability.
Cellular Location	Cell junction, tight junction. Basolateral cell membrane; Multi-pass membrane protein
Tissue Location	In the kidney, expressed in the proximal tubule and in the Henle's loop. In the distal convoluted tubule, not expressed in all tubules. Not detected in the collecting duct (at protein level)

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.