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Claudin 5 Rabbit pAb

Catalog # AP97072

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	O00501
Other Accession	O00501
Reactivity	Rat, Human
Predicted	Pig, Mouse, Rabbit, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	23147
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human claudin 5
Epitope Specificity	29-81/218
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.
SUBUNIT	Directly interacts with TJP1/ZO-1, TJP2/ZO-2 and TJP3/ZO-3. Interacts with MPDZ.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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]

Additional Information

Gene ID	7122
Other Names	AWAL; BEC1; CPETRL1; TMDVCF; TMVCF; MBEC1; CLD5_BOVIN; CLDN5; CLD5_HUMAN; Transmembrane protein deleted in VCFS (TMDVCF); CLD5_MOUSE; Brain endothelial cell clone 1 protein; Lung-specific membrane protein; claudin 5; transmembrane protein deleted in velocardiofacial syndrome
Dilution	WB=1:500-2000,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	CLDN5
Synonyms	AWAL, TMVCF
Function	Plays a major role in tight junction-specific obliteration of the intercellular space.
Cellular Location	Cell junction, tight junction. Cell membrane {ECO:0000250|UniProtKB:O54942}; Multi-pass membrane protein

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