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Rabbit Anti-Claudin 3, 4, 6, 9 antibody

SL2816R

Product Name:	Claudin 3, 4, 6, 9
Chinese Name:	紧密连接蛋白3, 4, 6, 9抗体
Alias:	pan-Claudin; Claudin 3 + 4 + 6 + 9; C7orf1; Claudin3; Claudin-3; CLDN 3; CLDN3; Clostridium perfringens enterotoxin receptor 2; CPE R2; CPE receptor 2; CPETR 2; CPETR2; HRVP 1; HRVP1; Rat ventral prostate 1 like protein; CLD3_HUMAN; CLD4_HUMAN; CLD6_HUMAN; CLD9_HUMAN; CPE-receptor 2; Rat ventral prostate.1 protein homolog; RVP 1; RVP1; Ventral prostate.1 like protein; Ventral prostate.1 protein homolog.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Sheep,
Applications:	WB=1:500-2000IHC-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.
Molecular weight:	23kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human Claudin 3, 4, 6, 9:
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	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.
PubMed:	PubMed
Product Detail:	Tight junctions represent one mode of cell-to-cell adhesion in epithelial or endothelial cell sheets, forming continuous seals around cells and serving as a physical barrier to

	prevent solutes and water from passing freely through the paracellular space. These junctions are comprised of sets of continuous networking strands in the outwardly facing cytoplasmic leaflet, with complementary grooves in the inwardly facing extracytoplasmic leaflet. The protein encoded by this intronless gene, a member of the claudin family, is an integral membrane protein and a component of tight junction strands. It is also a low-affinity receptor for Clostridium perfringens enterotoxin, and shares aa sequence similarity with a putative apoptosis-related protein found in rat. [provided by RefSeq, Jul 2008] **Function:** Plays a major role in tight junction-specific obliteration of the intercellular space, through calcium-independent cell-adhesion activity. **Subunit:** Directly interacts with TJP1/ZO-1, TJP2/ZO-2 and TJP3/ZO-3. **Subcellular Location:** Cell junction, tight junction. Cell membrane; Multi-pass membrane protein. **DISEASE:** Note=CLDN3 is located in the Williams-Beuren syndrome (WBS) critical region. WBS results from a hemizygous deletion of several genes on chromosome 7q11.23, thought to arise as a consequence of unequal crossing over between highly homologous low-copy repeat sequences flanking the deleted region. **Similarity:** Belongs to the claudin family. **SWISS:** O15551 **Gene ID:** 1365 **Database links:** Entrez Gene: 1365 Human Entrez Gene: 12739 Mouse Entrez Gene: 65130 Rat Omim: 602910 Human SwissProt: O15551 Human

	SwissProt: Q9Z0G9 Mouse SwissProt: Q63400 Rat Unigene: 647023 Human Unigene: 158662 Mouse Unigene: 4513 Rat **Important Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.