

产品名称: Claudin-1 Rabbit Polyclonal Antibody

产品货号: APRab08899

产品概述 (Summary)

描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB, ELISA
种属反应 (Reactivity)	Human, Mouse, Rat
偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Polyclonal
剂型 (Form)	Liquid
保存条件 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化 (Purification)	Affinity purification

产品应用 (Application)

稀释比 (Dilution Ratio) WB 1:500-1:2000, ELISA 1:10000-1:20000

分子量 (Molecular Weight) 30kDa

抗原信息 (Antigen Information)

基因名 (Gene Name)	CLDN1
别名 (Alternative Names)	CLDN1; CLD1; SEMP1; Claudin-1; Senescence-associated epithelial membrane protein
基因 ID (Gene ID)	9076.0
SwissProt ID	O95832
免疫原 (Immunogen)	The antiserum was produced against synthesized peptide derived from human Claudin 1. AA range: 162-211

研究背景 (Background)

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 gene, a member of the claudin family, is an integral membrane protein and a component of tight junction strands. Loss of function mutations result in neonatal ichthyosis-sclerosing cholangitis syndrome. [provided by RefSeq, Jul 2008], disease:Defects in CLDN1 are the cause of ichthyosis-sclerosing cholangitis neonatal syndrome (NISCH) [MIM:607626]; also called ichthyosis with leukocyte vacuoles alopecia and sclerosing cholangitis (ILVASC). NISCH is a rare autosomal recessive complex ichthyosis syndrome characterized by scalp hypotrichosis, scarring alopecia, vulgar type ichthyosis, and sclerosing cholangitis., function: Plays a major role in tight junction-specific obliteration of the intercellular space, through calcium-independent cell-adhesion activity (By similarity). Acts as a co-receptor for HCV entry into hepatic cells., similarity: Belongs to the claudin family., subunit: Can form homo- and heteropolymers with other CLDN. Homopolymers interact with CLDN3, but not CLDN2, homopolymers. Directly interacts with TJP1/ZO-1, TJP2/ZO-2 and TJP3/ZO-3. Interacts with MPDZ and INADL (By similarity). May interact with HCV E1 and E2 proteins., tissue specificity: Strongly expressed in liver and kidney. Expressed in heart, brain, spleen, lung and testis.,

研究领域 (Research Area)

Cell adhesion molecules (CAMs);Tight junction;Leukocyte transendothelial migration;Pathogenic Escherichia coli infection;

注意事项 (Note)

For research use only.

图片 (Image Data)

Western blot analysis of lysates from HeLa cells, treated with Hu 2nM 24h, using Claudin 1 Antibody. The lane on the right is blocked with the synthesized peptide.



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产品类别	产品货号	产品名称
WB 解决方案	RA10020	2h 极速 WB 即用型全流程试剂盒
	RA10021	4h 快速 WB 即用型全流程试剂盒
	RA10042	5h 畅享版 WB 全流程试剂盒
	RA10037	校准级彩色预染蛋白 Marker (8-180kDa)
	RA10038	校准级彩色预染蛋白 Marker (10-250kDa)
	RA10039	校准级高分子彩色预染蛋白 Marker (25-400kDa)
TSA 多重荧光染色试剂盒	RA10008	TSA 双标三色多重荧光染色试剂盒 (mIHC)
	RA10009	TSA 三标四色多重荧光染色试剂盒 (mIHC)
	RA10010	TSA 四标五色多重荧光染色试剂盒 (mIHC)
	RA10011	TSA 五标六色多重荧光染色试剂盒 (mIHC)
	RA10012	TSA 六标七色多重荧光染色试剂盒 (mIHC)
IHC 检测试剂盒	RA10006	HRP Anti-Mouse/Rabbit IHC Detection System
	RA10007	Polymer-HRP Anti-Mouse/Rabbit IHC Detection System
抗体标记试剂盒	RE80004p	辣根过氧化物酶(HRP)抗体标记试剂盒
	RE80002q	Sulfo-NHS-生物素标记试剂盒
	RE80007p	Cy3 荧光素标记试剂盒
	RE80011p	Fluor488 荧光素标记试剂盒
	RE80017p	Fluor750 荧光素标记试剂盒
	RE80005p	藻红蛋白(R-PE) 抗体快速标记试剂盒
	RE80040	PE-Cy7 串联染料抗体快速标记试剂盒
稳转细胞系构建服务 (免费赠送全膜 WB 验证)	TS-0001	过表达稳转细胞系构建
	TS-0002	敲低稳转细胞系构建
	TS-0003	敲除细胞系构建

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