

产品名称: Claudin 1 (5F6) Rabbit Monoclonal Antibody
产品货号: AMRe08890



产品概述 (Summary)

产品名称 (Production Name)	Claudin 1 (5F6) Rabbit Monoclonal Antibody
描述 (Description)	Recombinant rabbit monoclonal antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,IHC,ICC/IF,FC,IP
种属反应性 (Reactivity)	Human

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Monoclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% New type preservative N and 0.05% protective protein.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	CLDN1
别名 (Alternative Names)	Claudin1; CLD1I;CLDN 1; ILVASC; SEMP1;
基因 ID (Gene ID)	9076.0
蛋白 ID (SwissProt ID)	O95832.A synthetic peptide of human Claudin 1

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:100-1:200,ICC/IF 1:500-1:1000,FC 1:50-1:100,IP 1:50-1:100
蛋白分子量 (Molecular Weight)	23kDa

研究背景 (Background)

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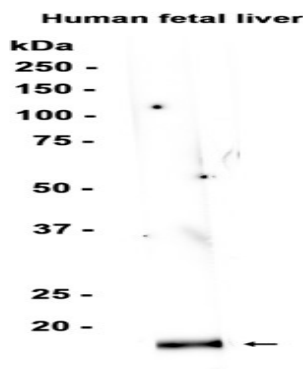


The claudin family is composed of 23 integral membrane proteins, and their expression, which varies among tissue types, may determine both the strength and properties of the epithelial barrier. Alteration in claudin protein expression pattern is associated with several types of cancer. Claudin-1 is expressed primarily in keratinocytes and normal mammary epithelial cells, but is absent or reduced in breast carcinomas and breast cancer cell lines. Claudins function as major constituents of the tight junction complexes that regulate the permeability of epithelia. While some claudin family members play essential roles in the formation of impermeable barriers, others mediate the permeability to ions and small molecules. Often, several claudin family members are coexpressed and interact with each other, and this determines the overall permeability. CLDN1 is required to prevent the paracellular diffusion of small molecules through tight junctions in the epidermis and is required for the normal barrier function of the skin. Required for normal water homeostasis and to prevent excessive water loss through the skin, probably via an indirect effect on the expression levels of other proteins, since CLDN1 itself seems to be dispensable for water barrier formation in keratinocyte tight junctions (PubMed:23407391).

研究领域 (Research Area)

Cell Biology

图片 (Image Data)



Western blot analysis of extracts from Human fetal liver tissue using RM5272 at 1:1000.

注意事项 (Note)

For research use only .