

**产品名称:** Claudin 1 (5F6) Rabbit Monoclonal Antibody

**产品货号:** AMRe08890

## 产品概述 (Summary)

<b>描述(Description)</b>	Recombinant rabbit monoclonal antibody
<b>宿主(Host)</b>	Rabbit
<b>应用(Application)</b>	WB,IHC,ICC/IF,FC,IP
<b>种属反应(Reactivity)</b>	Human
<b>偶联物(Conjugation)</b>	Unconjugated
<b>修饰(Modification)</b>	Unmodified
<b>同种型(Isotype)</b>	IgG
<b>克隆(Clonality)</b>	Monoclonal
<b>剂型(Form)</b>	Liquid
<b>保存条件(Storage)</b>	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
<b>储存溶液(Buffer)</b>	Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% New type preservative N and 0.05% protective protein.
<b>纯化 (Purification)</b>	Affinity purification

## 产品应用(Application)

<b>稀释比(Dilution Ratio)</b>	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
<b>分子量(Molecular Weight)</b>	23kDa

## 抗原信息(Antigen Information)

<b>基因名(Gene Name)</b>	CLDN1
<b>别名(Alternative Names)</b>	Claudin1; CLD1; CLDN 1; ILVASC; SEMP1;
<b>基因 ID(Gene ID)</b>	9076.0
<b>SwissProt ID</b>	O95832
<b>免疫原(Immunogen)</b>	A synthetic peptide of human Claudin 1

## 研究背景 (Background)

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).

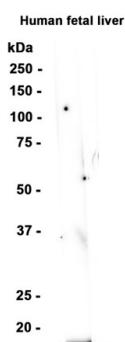
## 研究领域 (Research Area)

Cell Biology

## 注意事项 (Note)

For research use only.

## 图片 (Image Data)



Western blot analysis of extracts from Human fetal liver tissue using Claudin 1 (5F6) Rabbit Monoclonal Antibody at 1:1000.



### EnkiLife 优势产品推荐

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

限于篇幅, 更多产品详见官网: <https://www.enkilife.cn>