

## Product datasheet

# Anti-Claudin 1 antibody [1C5-D9] ab115225

1 References [画像数 5](#)

### 製品の概要

製品名	Anti-Claudin 1 antibody [1C5-D9]
製品の詳細	Mouse monoclonal [1C5-D9] to Claudin 1
アプリケーション	<b>適用あり:</b> WB, IHC-P, ELISA
種交差性	<b>交差種:</b> Human
免疫原	Recombinant full length protein, corresponding to amino acids 1-212 of Human Claudin 1 (AAH12471) with GST tag (MW of the GST tag alone is 26 kDa).
ポジティブ・コントロール	Human breast tissue; Human pancreas tissue; Human uterus tissue PRC/PRF/5 lysate; A431 lysate

### 製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.
バッファー	pH: 7.20 Constituent: 100% PBS
精製度	Protein A purified
ポリ/モノ	モノクローナル
クローン名	1C5-D9
アイソタイプ	IgG2a
軽鎖の種類	kappa

### アプリケーション

Our [Abpromise guarantee](#) covers the use of **ab115225** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

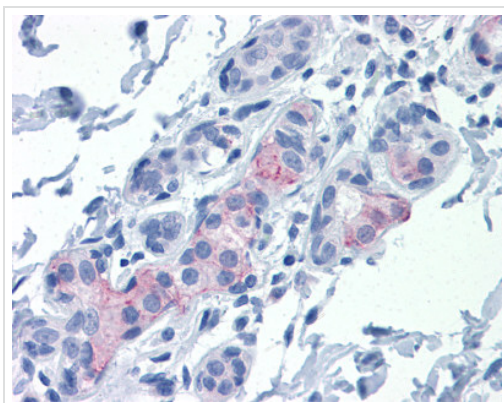
アプリケーション	Abreviews	特記事項
WB		Use at an assay dependent concentration. Predicted molecular weight: 23 kDa.

アプリケーション	Abreviews	特記事項
IHC-P		Use a concentration of 5 µg/ml. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
ELISA		Use at an assay dependent concentration.

## ターゲット情報

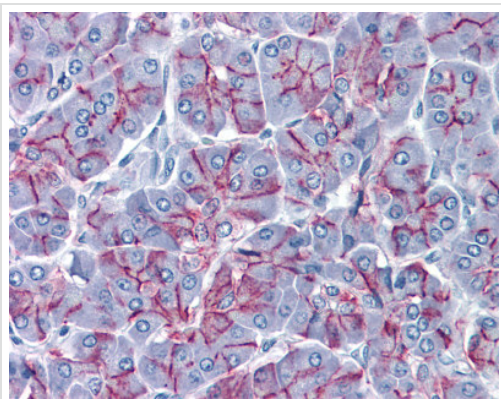
<b>機能</b>	<p>Claudins function as major constituents of the tight junction complexes that regulate the permeability of epithelia. While some claudin family members play essential roles in the formation of impermeable barriers, others mediate the permeability to ions and small molecules. Often, several 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).</p> <p>(Microbial infection) Acts as a receptor for hepatitis C virus in hepatocytes (PubMed:17325668). Acts as a receptor for dengue virus (PubMed:24074594).</p>
<b>組織特異性</b>	Strongly expressed in liver and kidney. Expressed in heart, brain, spleen, lung and testis.
<b>関連疾患</b>	Ichthyosis-sclerosing cholangitis neonatal syndrome
<b>配列類似性</b>	Belongs to the claudin family.
<b>細胞内局在</b>	Cell junction, tight junction. Cell membrane.

## 画像



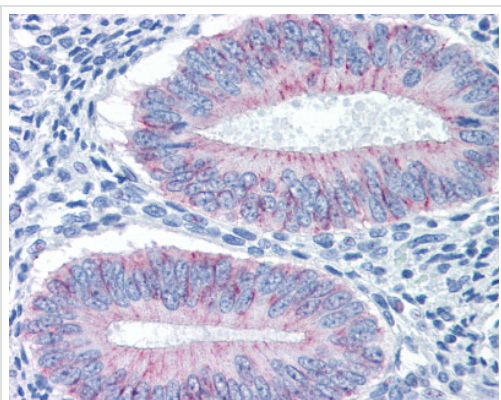
Human breast (formalin fixed, paraffin embedded) stained with ab115225 at 5 ug/ml.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Claudin 1 antibody [1C5-D9] (ab115225)



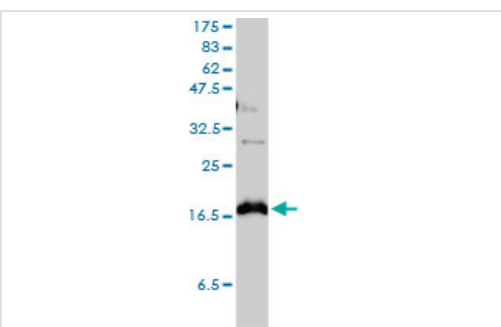
Human pancreas (formalin fixed, paraffin embedded) stained with ab115225 at 5 ug/ml.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Claudin 1 antibody [1C5-D9] (ab115225)



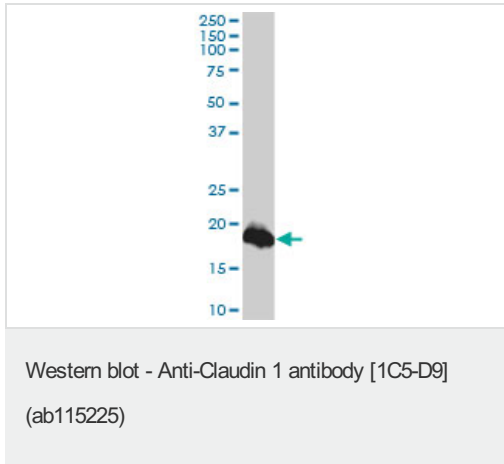
Human uterus (formalin fixed, paraffin embedded) stained with ab115225 at 5 ug/ml.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Claudin 1 antibody [1C5-D9] (ab115225)



**Predicted band size : 23 kDa**

Western blot - Anti-Claudin 1 antibody [1C5-D9] (ab115225)



**Predicted band size : 23 kDa**

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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