

## Anti-CLDN1 antibody

<b>Cat. No.</b>	ml160403
<b>Package</b>	25 µl/100 µl/200 µl
<b>Storage</b>	-20°C, pH7.4 PBS, 0.05% NaN <sub>3</sub> , 40% Glycerol

### Product overview

<b>Description</b>	Anti-CLDN1 rabbit polyclonal antibody
<b>Applications</b>	ELISA, WB, IHC
<b>Immunogen</b>	Synthetic peptide of human CLDN1
<b>Reactivity</b>	Human, Mouse, Rat
<b>Content</b>	0.5 mg/ml
<b>Host species</b>	Rabbit
<b>Ig class</b>	Immunogen-specific rabbit IgG
<b>Purification</b>	Antigen affinity purification

### Target information

<b>Symbol</b>	CLDN1
<b>Full name</b>	claudin 1
<b>Synonyms</b>	CLD1, SEMP1, ILVASC
<b>Swissprot</b>	O95832

### Target 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.

订购热线: 4008-898-798

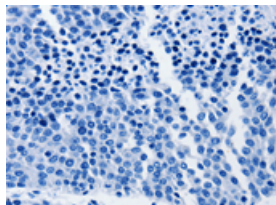
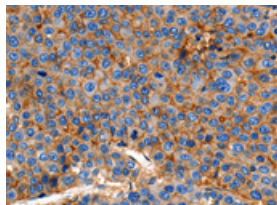
## Applications

### Immunohistochemistry

Predicted cell location: Cytoplasm

Positive control: Human esophagus cancer

Recommended dilution: 100-300

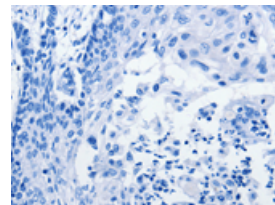
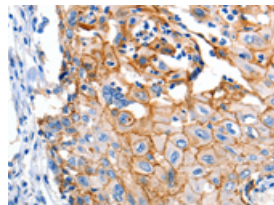


The image on the left is immunohistochemistry of paraffin-embedded Human esophagus cancer tissue using ml160403(CLDN1 Antibody) at dilution 1/150, on the right is treated with synthetic peptide. (Original magnification:  $\times 200$ )

Predicted cell location: Cytoplasm

Positive control: Human cervical cancer

Recommended dilution: 100-300



The image on the left is immunohistochemistry of paraffin-embedded Human cervical cancer tissue using ml160403(CLDN1 Antibody) at dilution 1/150, on the right is treated with synthetic peptide. (Original magnification:  $\times 200$ )

### Western blotting

Predicted band size: 23 kDa

Positive control: Hela cells

Recommended dilution: 1000-3000

Gel: 10% SDS-PAGE

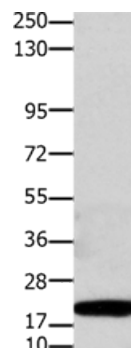
Lysate: 30  $\mu$ g

Lane: Hela cells

Primary antibody: ml160403(CLDN1 Antibody) at dilution 1/1100

Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution

Exposure time: 40 seconds



### ELISA

Recommended dilution: 1000-10000

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