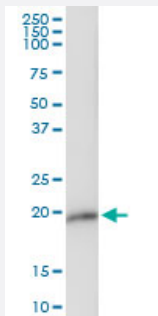


# CLDN1 (Human) IP-WB Antibody Pair

Catalog # H00009076-PW1

Size 1 Set

## Applications



Immunoprecipitation of CLDN1 transfected lysate using rabbit polyclonal anti-CLDN1 and Protein A Magnetic Bead ([U0007](#)), and immunoblotted with mouse polyclonal anti-CLDN1.

## Specification

<b>Product Description</b>	This IP-WB antibody pair set comes with one antibody for immunoprecipitation and another to detect the precipitated protein in western blot.
<b>Reactivity</b>	Human
<b>Interspecies Antigen Sequence</b>	Mouse (90); Rat (90)
<b>Quality Control Testing</b>	Immunoprecipitation-Western Blot (IP-WB) Immunoprecipitation of CLDN1 transfected lysate using rabbit polyclonal anti-CLDN1 and Protein A Magnetic Bead ( <a href="#">U0007</a> ), and immunoblotted with mouse polyclonal anti-CLDN1.
<b>Supplied Product</b>	Antibody pair set content: 1. Antibody pair for IP: rabbit polyclonal anti-CLDN1 (300 ul) 2. Antibody pair for WB: mouse polyclonal anti-CLDN1 (50 ul)
<b>Storage Instruction</b>	Store reagents of the antibody pair set at -20°C or lower. Please aliquot to avoid repeated freeze thaw cycle. Reagents should be returned to -20°C storage immediately after use.

## Applications

- Immunoprecipitation-Western Blot

[Protocol Download](#)

## Gene Info — CLDN1

Entrez GeneID [9076](#)

Gene Name CLDN1

Gene Alias CLD1, ILVASC, SEMP1

Gene Description claudin 1

Omim ID [603718 607626](#)

Gene Ontology [Hyperlink](#)

**Gene Summary** 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]

**Other Designations** senescence-associated epithelial membrane protein 1

## Pathway

- [Cell adhesion molecules \(CAMs\)](#)
- [Leukocyte transendothelial migration](#)
- [Pathogenic Escherichia coli infection - EHEC](#)
- [Tight junction](#)

## Disease

- [Genetic Predisposition to Disease](#)
- [Hepatitis C](#)

- [Substance Abuse](#)
- [Tobacco Use Disorder](#)