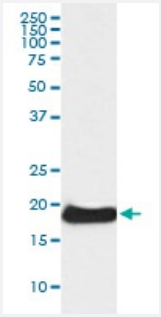
# CLDN1 monoclonal antibody, clone ABEH-3

Catalog # MAB19902 Size 100 uL

## Applications




### Western Blot (Cell lysate)

Western blot analysis of A431 cell lysate with CLDN1 monoclonal antibody.

## Specification

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| **Product Description** | Rabbit monoclonal antibody raised against synthetic peptide of human CLDN1. |
| **Immunogen** | A synthetic peptide corresponding to human CLDN1. |
| **Host** | Rabbit |
| **Reactivity** | Human |
| **Form** | Liquid |
| **Purification** | Affinity purification |
| **Isotype** | IgG |
| **Recommend Usage** | Western Blot (1:500-1:2000)<br>The optimal working dilution should be determined by the end user. |
| **Storage Buffer** | In PBS, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. |
| **Storage Instruction** | Store at -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and st ored frozen at -20°C for a longer time. Avoid repeated freezing and thawing. |

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| **Note** | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only. |

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- Western Blot (Cell lysate)

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## Gene Info — CLDN1

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|---|---|
| **Entrez GeneID** | 9076 |
| **Protein Accession#** | O95832 |
| **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, f orming continuous seals around cells and serving as a physical barrier to prevent solutes and wat er from passing freely through the paracellular space. These junctions are comprised of sets of co ntinuous networking strands in the outwardly facing cytoplasmic leaflet, with complementary groov es 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. Los s 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