

## Product datasheet for **CF506897**

### Claudin 6 (CLDN6) Mouse Monoclonal Antibody [Clone ID: OTI4B5]

#### Product data:

|                         |  |
|-------------------------|--|
| Product Type:           | Primary Antibodies   |
| Clone Name:             | OTI4B5   |
| Applications:           | IF, WB   |
| Recommended Dilution:   | WB 1:1000, IF 1:100  |
| Reactivity:             | Human, Mouse, Rat  |
| Host:                   | Mouse  |
| Isotype:                | IgG1   |
| Clonality:              | Monoclonal   |
| Immunogen:              | Full length human recombinant protein of human CLDN6(NP_067018) produced in HEK293T cell.  |
| Formulation:            | Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)  |
| Reconstitution Method:  | For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific) |
| Purification:           | Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)  |
| Conjugation:            | Unconjugated   |
| Storage:                | Store at -20°C as received.  |
| Stability:              | Stable for 12 months from date of receipt.   |
| Predicted Protein Size: | 23.1 kDa   |
| Gene Name:              | claudin 6  |
| Database Link:          | <a href="#">NP_067018</a><br><a href="#">Entrez Gene 54419 Mouse</a> <a href="#">Entrez Gene 287098 Rat</a> <a href="#">Entrez Gene 9074 Human</a><br><a href="#">P56747</a>   |



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**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. This gene encodes a component of tight junction strands, which is a member of the claudin family. The protein is an integral membrane protein and is one of the entry cofactors for hepatitis C virus. The gene methylation may be involved in esophageal tumorigenesis. This gene is adjacent to another family member CLDN9 on chromosome 16. [provided by RefSeq, Aug 2010]

**Synonyms:**

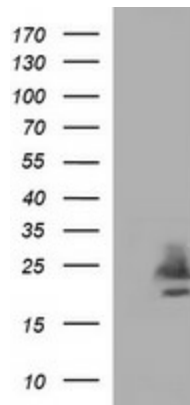
claudin 6; OTTHUMP00000159248

**Protein Families:**

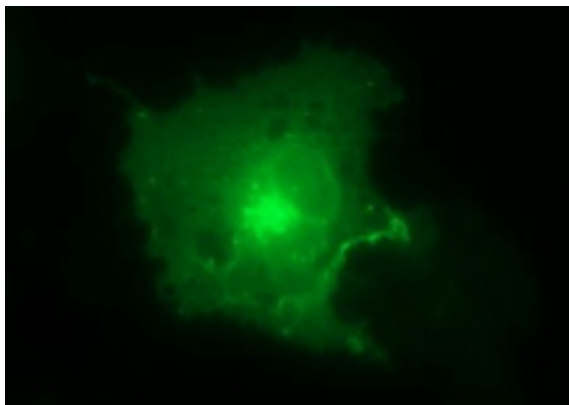
Transmembrane

**Protein Pathways:**

Cell adhesion molecules (CAMs), Leukocyte transendothelial migration, Tight junction

**Product images:**


HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY CLDN6 ([RC200744], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-CLDN6. Positive lysates [LY412034] (100ug) and [LC412034] (20ug) can be purchased separately from OriGene.



Anti-CLDN6 mouse monoclonal antibody ([TA506897]) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY CLDN6 ([RC200744]).