

**Anti-Human Claudin 10 Polyclonal Antibody**  
**Polyclonal Antibody**

**Cat.NO.: PA11219**

---

3th Edition

**Description:** This gene encodes a member of the claudin family. Claudins are integral membrane proteins and components of tight junction strands. Tight junction strands serve as a physical barrier to prevent solutes and water from passing freely through the paracellular space between epithelial or endothelial cell sheets, and also play critical roles in maintaining cell polarity and signal transductions. The expression level of this gene is associated with recurrence of primary hepatocellular carcinoma. Six alternatively spliced transcript variants encoding different isoforms have been reported, but the transcript sequences of some variants are not determined.

**Antigen:** Synthetic peptide of human CLDN10

**Form:**

**How to use:** 1.0 ml distilled water will be added to the product

**Stability:** Lyophilized product, 5 years at 2 – 8°C; Solution, 2 years at –20°C

**Dilution:** PBS (pH7.4) containing 1% BSA

**Application:** This antibody can be used for western blotting in concentration of 1?5?g/ml.

**Specificity:** Expressed in the kidney, eccrine sweat glands and in all layers of the epidermis. In the kidney, it is detected in the thick ascending limb of Henle's loop (TAL) (PubMed:28771254, PubMed:28686597). In the sweat glands, it is expressed in cells from secretory portions, corresponding to the clear cells (PubMed:28686597).