

## CLDN4 RABBIT PAB

**Cat.#:** S219807

**Product Name:** Anti-CLDN4 Rabbit Polyclonal Antibody

**Synonyms:** CPER, CPE-R, CPETR, CPETRI, WBSCR8, hCPE-R

**UNIPROT ID:** O14493 (Gene Accession - NP\_001296 )

**Background:** Claudin 4, also known as CLDN4, is a protein which in humans is encoded by the CLDN4 gene. It belongs to the group of claudins. This gene encodes an integral membrane protein, which belongs to the claudin family. The protein is a component of tight junction strands and may play a role in internal organ development and function during pre- and postnatal life. This gene is deleted in Williams-Beuren syndrome, a neurodevelopmental disorder affecting multiple systems.

**Immunogen:** Synthetic peptide of human CLDN4

**Applications:** ELISA, WB, IHC

**Recommended Dilutions:** IHC: 25-100;WB: 1000-3000;ELISA: 1000-10000

**Host Species:** Rabbit

**Clonality:** Rabbit Polyclonal

**Isotype:** Immunogen-specific rabbit IgG

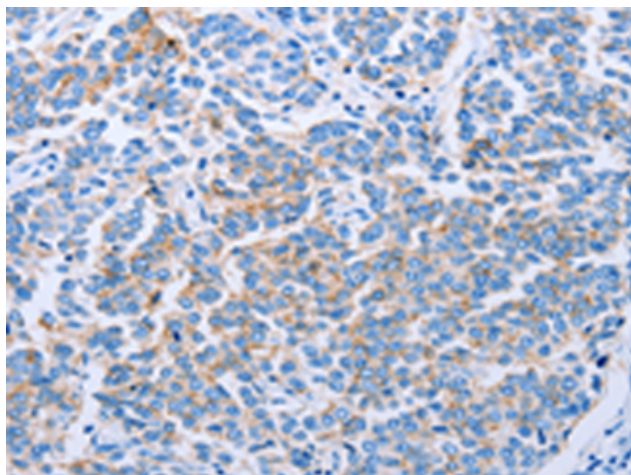
**Purification:** Antigen affinity purification

**Species Reactivity:** Human, Mouse

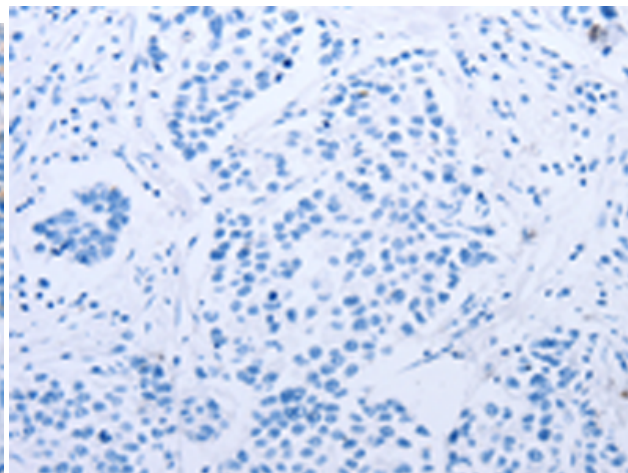
**Constituents:** PBS (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), pH 7.4, 150 mM NaCl, 0.05% Sodium Azide and 40% glycerol

**Research Areas:** Signal Transduction

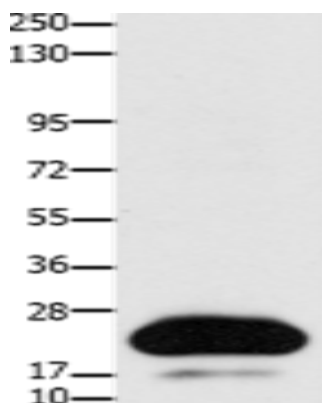
**Storage & Shipping:** Store at -20°C. Avoid repeated freezing and thawing



Immunohistochemistry analysis of paraffin embedded Human breast cancer tissue using 219807 (CLDN4 Antibody) at a dilution of 1/50 (Cytoplasm, Cell membrane).



In comparison with the IHC on the left, the same paraffin-embedded Human breast cancer tissue is first treated with the synthetic peptide and then with 219807 (Anti-CLDN4 Antibody) at dilution 1/50.



Gel: 10+12% SDS-PAGE, Lysate: 30  $\mu$ g;  
Lane: HT29 cells;  
Primary antibody: 219807 (CLDN4 Antibody) at dilution 1/1100;  
Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution;  
Exposure time: 30 seconds