

## CLDN18 RABBIT PAB

**Cat.#:** S221210

**Product Name:** Anti-CLDN18 Rabbit Polyclonal Antibody

**Synonyms:** SFTA5; SFTPJ

**UNIPROT ID:** P56856 (Gene Accession - NP\_001002026 )

**Background:** 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. This gene is upregulated in patients with ulcerative colitis and highly overexpressed in infiltrating ductal adenocarcinomas. PKC/MAPK/AP-1 (protein kinase C/mitogen-activated protein kinase/activator protein-1) dependent pathway regulates the expression of this gene in gastric cells. Alternatively spliced transcript variants encoding different isoforms have been identified.

**Immunogen:** Synthetic peptide of human CLDN18

**Applications:** ELISA, WB, IHC

**Recommended Dilutions:** IHC: 50-200;WB: 500-2000;ELISA: 5000-10000

**Host Species:** Rabbit

**Clonality:** Rabbit Polyclonal

**Isotype:** Immunogen-specific rabbit IgG

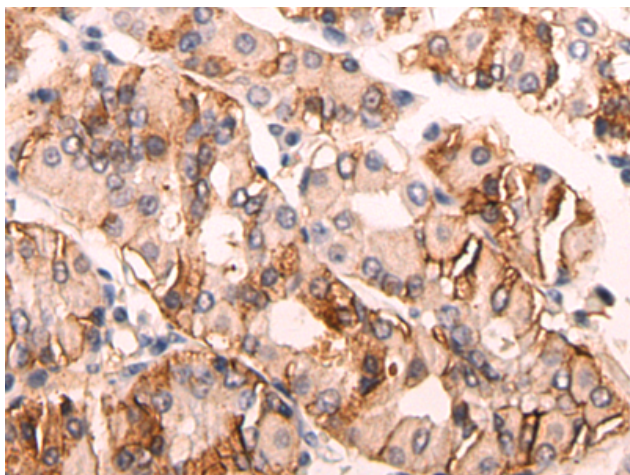
**Purification:** Antigen affinity purification

**Species Reactivity:** Human

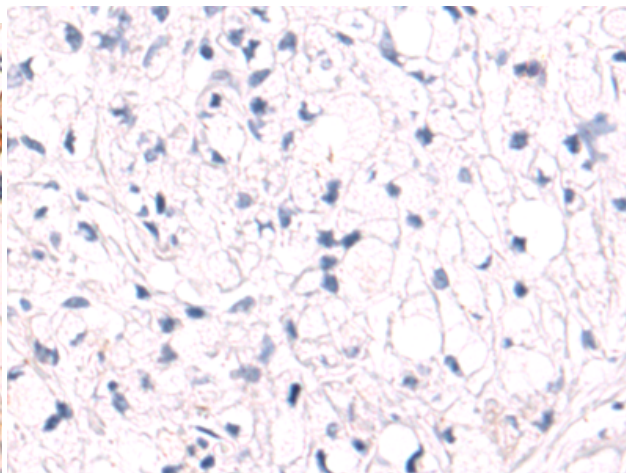
**Constituents:** PBS (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), pH 7.4, 150 mM NaCl, 0.05% Sodium Azide and 40% glycerol

**Research Areas:** Signal Transduction

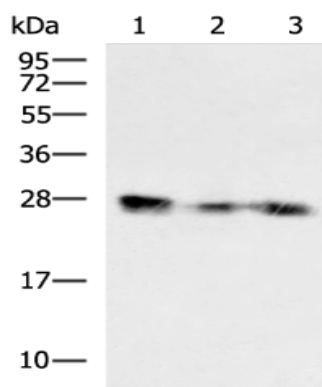
**Storage & Shipping:** Store at -20°C. Avoid repeated freezing and thawing



Immunohistochemistry analysis of paraffin embedded Human gastric cancer tissue using 221210 (CLDN18 Antibody) at a dilution of 1/50 (Cytoplasm and Cell membrane).



In comparison with the IHC on the left, the same paraffin-embedded Human gastric cancer tissue is first treated with the synthetic peptide and then with 221210 (Anti-CLDN18 Antibody) at dilution 1/50.



Gel: 12% SDS-PAGE, Lysate: 40 µg;  
 Lane 1-3: BGC-823 cell, 293T cell, HepG2 cell lysates;  
 Primary antibody: 221210 (CLDN18 Antibody) at dilution 1/600;  
 Secondary antibody: HRP-conjugated Goat anti rabbit IgG at 1/5000 dilution;  
 Exposure time: 2 minutes