

CLCN7 RABBIT PAB

Cat.#: S218507

Product Name: Anti-CLCN7 Rabbit Polyclonal Antibody

Synonyms: HOD; CLC7; CLC-7; OPTA2; OPTB4; PPP1R63

UNIPROT ID: P51798 (Gene Accession - BC012737)

Background: The product of this gene belongs to the CLC chloride channel family of proteins. Chloride channels play important roles in the plasma membrane and in intracellular organelles. This gene encodes chloride channel 7. Defects in this gene are the cause of osteopetrosis autosomal recessive type 4 (OPTB4), also called infantile malignant osteopetrosis type 2 as well as the cause of autosomal dominant osteopetrosis type 2 (OPTA2), also called autosomal dominant Albers-Schonberg disease or marble disease autosomal dominant. Osteopetrosis is a rare genetic disease characterized by abnormally dense bone, due to defective resorption of immature bone. OPTA2 is the most common form of osteopetrosis, occurring in adolescence or adulthood.

Immunogen: Fusion protein of human CLCN7

Applications: ELISA, WB, IHC

Recommended Dilutions: IHC: 100-300;WB: 500-2000;ELISA: 5000-10000

Host Species: Rabbit

Clonality: Rabbit Polyclonal

Isotype: Immunogen-specific rabbit IgG

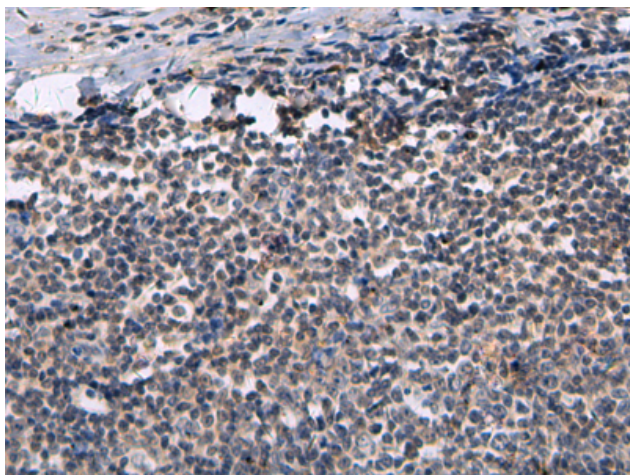
Purification: Antigen affinity purification

Species Reactivity: Human, Mouse, Rat

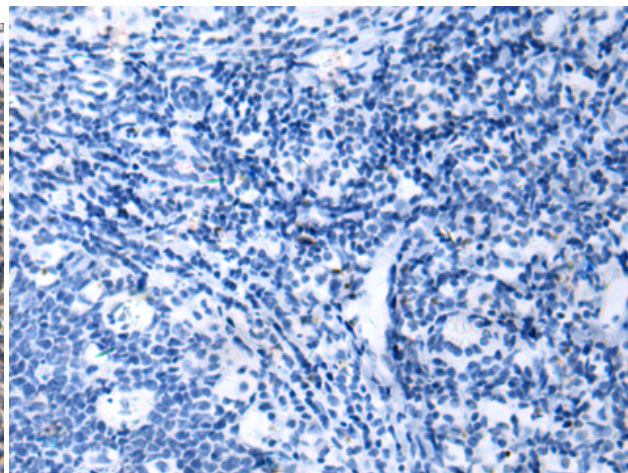
Constituents: PBS (without Mg²⁺ and Ca²⁺), pH 7.4, 150 mM NaCl, 0.05% Sodium Azide and 40% glycerol

Research Areas: Metabolism

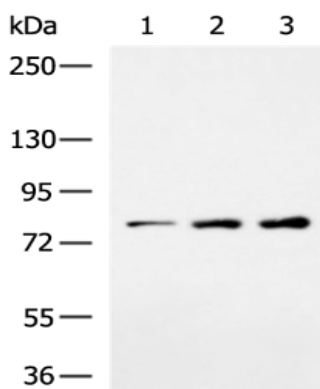
Storage & Shipping: Store at -20°C. Avoid repeated freezing and thawing



Immunohistochemistry analysis of paraffin embedded Human esophagus cancer tissue using 218507 (CLCN7 Antibody) at a dilution of 1/100 (Cytoplasm).



In comparison with the IHC on the left, the same paraffin-embedded Human esophagus cancer tissue is first treated with the fusion protein and then with 218507 (Anti-CLCN7 Antibody) at dilution 1/100.



Gel: 6% SDS-PAGE, Lysate: 40 μ g;
 Lane 1-3: HepG2, A549, LOVO cell lysates;
 Primary antibody: 218507 (CLCN7 Antibody) at dilution 1/500;
 Secondary antibody: HRP-conjugated Goat anti rabbit IgG at 1/5000 dilution;
 Exposure time: 2 minutes