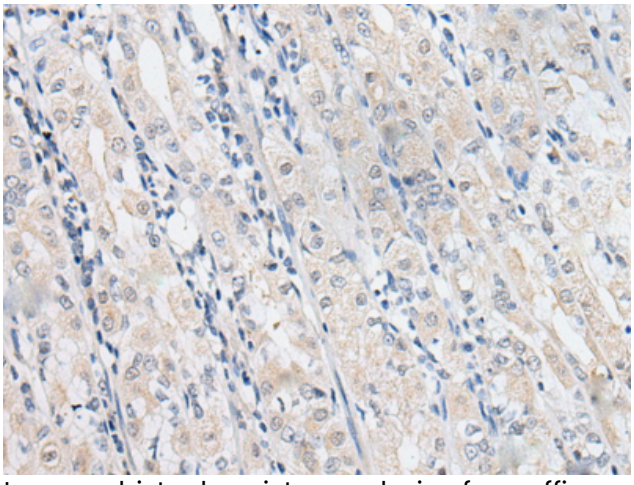
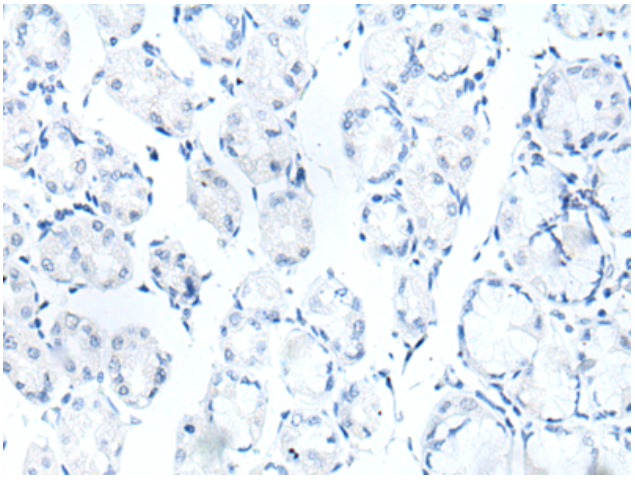
SLC12A3 RABBIT PAB

Cat.#: S221404
Product Name: Anti-SLC12A3 Rabbit Polyclonal Antibody
Synonyms: NCC; TSC; NCCT
UNIPROT ID: P55017 (Gene Accession - NP_001119580)
Background: This gene encodes a renal thiazide-sensitive sodium-chloride cotransporter that is important for electrolyte homeostasis. This cotransporter mediates sodium and chloride reabsorption in the distal convoluted tubule. Mutations in this gene cause Gitelman syndrome, a disease similar to Bartter's syndrome, that is characterized by hypokalemic alkalosis combined with hypomagnesemia, low urinary calcium, and increased renin activity associated with normal blood pressure. This cotransporter is the target for thiazide diuretics that are used for treating high blood pressure. Multiple transcript variants encoding different isoforms have been found for this gene.
Immunogen: Synthetic peptide of human SLC12A3
Applications: ELISA, IHC
Recommended Dilutions: IHC: Oct-50; ELISA: 5000-10000
Host Species: Rabbit
Clonality: Rabbit Polyclonal
Isotype: Immunogen-specific rabbit IgG
Purification: Antigen affinity purification
Species Reactivity: Human, Mouse
Constituents: PBS (without Mg2+ and Ca2+), pH 7.4, 150 mM NaCl, 0.05% Sodium Azide and 40% glycerol
Research Areas: Metabolism, Cardiovascular
Storage & Shipping: Store at -20°C. Avoid repeated freezing and thawing



Immunohistochemistry analysis of paraffin embedded Human gastric cancer tissue using 221404(SLC12A3 Antibody) at a dilution of 1/25(Cell membrane).



In comparision with the IHC on the left, the same paraffin-embedded Human gastric cancer tissue is first treated with the synthetic peptide and then with 221404(Anti-SLC12A3 Antibody) at dilution 1/25.