

G6PC1 RABBIT PAB

Cat.#: S222283

Product Name: Anti-G6PC1 Rabbit Polyclonal Antibody

Synonyms: G6PC; G6PT; GSD1; GSD1a; G6Pase

UNIPROT ID: P35575 (Gene Accession - NP_000142)

Background: Glucose-6-phosphatase (G6Pase) is a multi-subunit integral membrane protein of the endoplasmic reticulum that is composed of a catalytic subunit and transporters for G6P, inorganic phosphate, and glucose. This gene (G6PC) is one of the three glucose-6-phosphatase catalytic-subunit-encoding genes in human: G6PC, G6PC2 and G6PC3. Glucose-6-phosphatase catalyzes the hydrolysis of D-glucose 6-phosphate to D-glucose and orthophosphate and is a key enzyme in glucose homeostasis, functioning in gluconeogenesis and glycogenolysis. Mutations in this gene cause glycogen storage disease type I (GSD1). This disease, also known as von Gierke disease, is a metabolic disorder characterized by severe hypoglycemia associated with the accumulation of glycogen and fat in the liver and kidneys.

Immunogen: Synthetic peptide of human G6PC1

Applications: ELISA, IHC

Recommended Dilutions: IHC: 70-350; ELISA: 5000-10000

Host Species: Rabbit

Clonality: Rabbit Polyclonal

Isotype: Immunogen-specific rabbit IgG

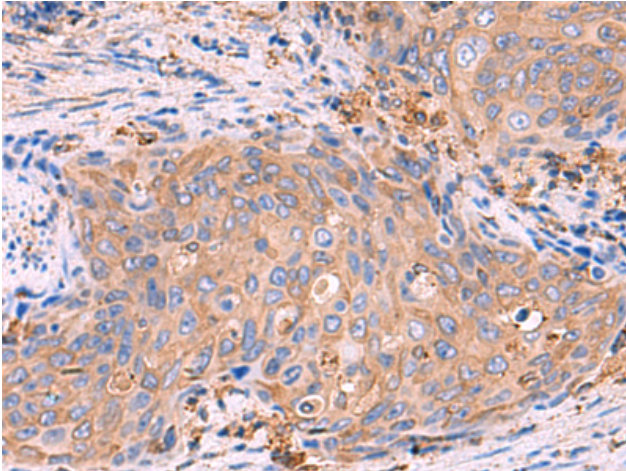
Purification: Antigen affinity purification

Species Reactivity: Human, Mouse, Rat

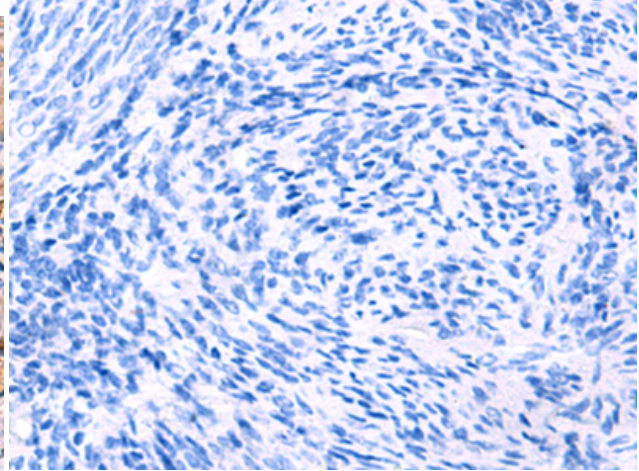
Constituents: PBS (without Mg²⁺ and Ca²⁺), pH 7.4, 150 mM NaCl, 0.05% Sodium Azide and 40% glycerol

Research Areas: Cell Biology, Cancer, Metabolism

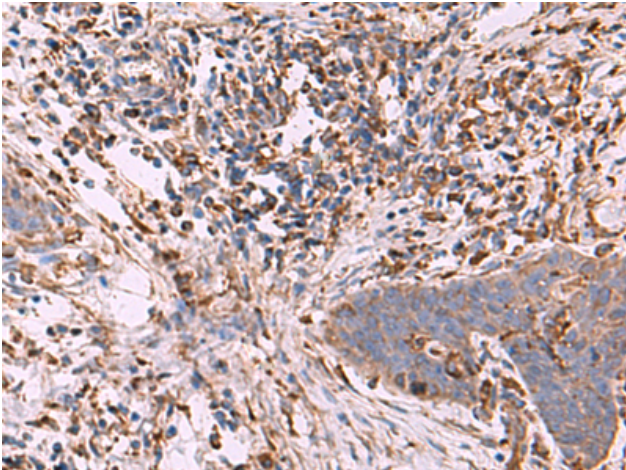
Storage & Shipping: Store at -20°C. Avoid repeated freezing and thawing



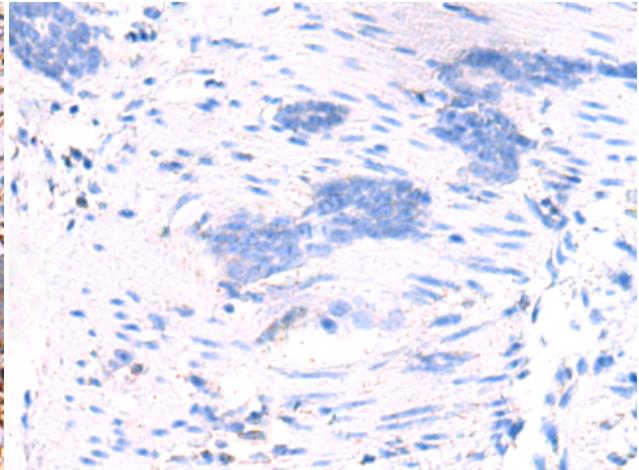
Immunohistochemistry analysis of paraffin embedded Human cervical cancer tissue using 222283(G6PC1 Antibody) at a dilution of 1/70(Cytoplasm).



In comparison with the IHC on the left, the same paraffin-embedded Human cervical cancer tissue is first treated with the synthetic peptide and then with 222283(Anti-G6PC1 Antibody) at dilution 1/70.



The image on the left is immunohistochemistry of paraffin-embedded Human esophagus cancer tissue using 222283(Anti-G6PC1 Antibody) at a dilution of 1/70.



In comparison with the IHC on the left, the same paraffin-embedded Human esophagus cancer tissue is first treated with synthetic peptide and then with D264328(Anti-G6PC1 Antibody) at dilution 1/70.