

## 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

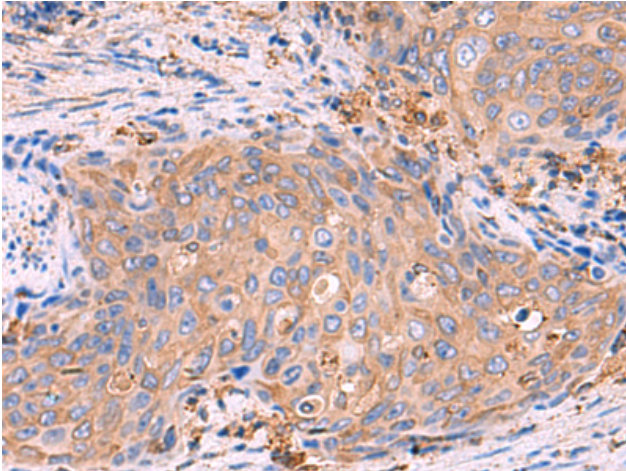
**Purification:** Antigen affinity purification

**Species Reactivity:** Human, Mouse, Rat

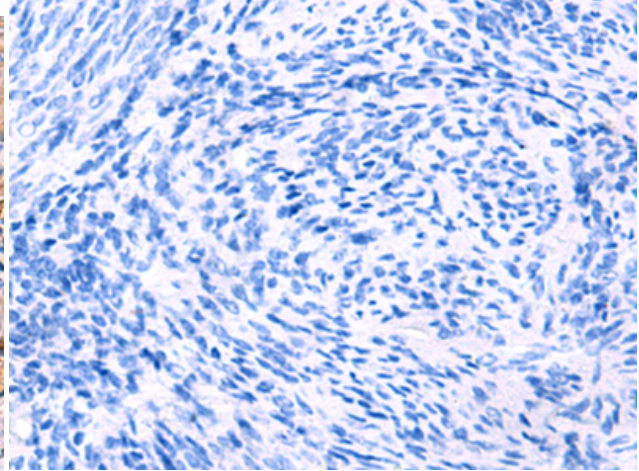
**Constituents:** PBS (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), pH 7.4, 150 mM NaCl, 0.05% Sodium Azide and 40% glycerol

**Research Areas:** Cell Biology, Cancer, Metabolism

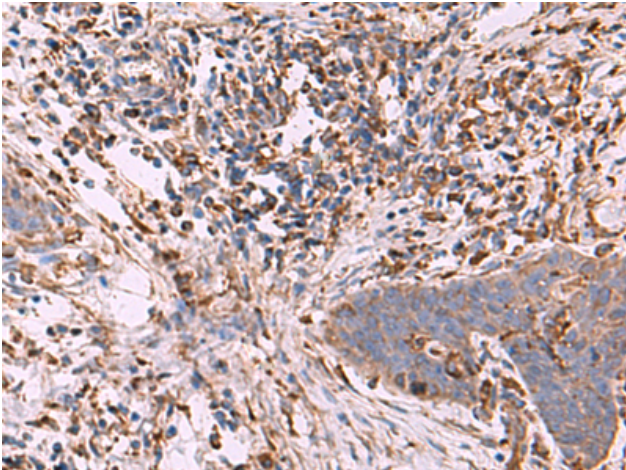
**Storage & Shipping:** Store at -20°C. Avoid repeated freezing and thawing



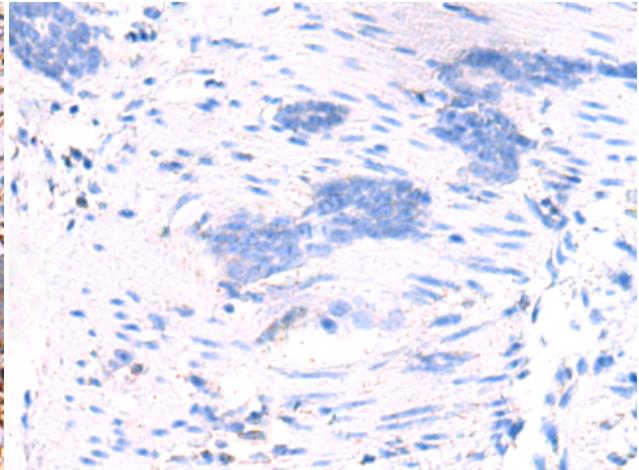
Immunohistochemistry analysis of paraffin embedded Human cervical cancer tissue using 222283(G6PC1 Antibody) at a dilution of 1/70(Cytoplasm).



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.