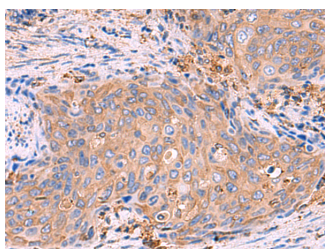


## G6PC Polyclonal Antibody

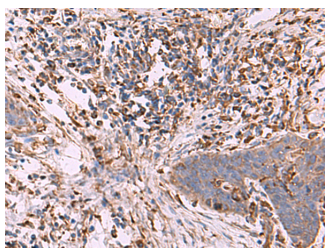
<b>Catalog No.</b>	E-AB-52080	<b>Reactivity</b>	H,M,R
<b>Storage</b>	Store at -20°C. Avoid freeze / thaw cycles.	<b>Host</b>	Rabbit
<b>Applications</b>	IHC,ELISA	<b>Isotype</b>	IgG

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

### Images



Immunohistochemistry of paraffin-embedded Human cervical cancer tissue using G6PC Polyclonal Antibody at dilution of 1:70(×200)



Immunohistochemistry of paraffin-embedded Human esophagus cancer tissue using G6PC Polyclonal Antibody at dilution of 1:70(×200)

### Immunogen Information

<b>Immunogen</b>	Synthetic peptide of human G6PC
<b>Gene Accession</b>	NP000142
<b>Swissprot</b>	P35575
<b>Synonyms</b>	AW107337,G-6-Pase,G6Pase,G6Pase-alpha,g6pc,G6PC,G6PT,Glucose-6-phosphatase alpha,Glucose-6-phosphatase,GSD1,GSD1a,MGC163350,MGC93613,RP23-281C18.19

### Product Information

<b>Buffer</b>	PBS with 0.05% NaN <sub>3</sub> and 40% Glycerol,pH7.4
<b>Purify</b>	Antigen affinity purification
<b>Dilution</b>	IHC 1:70-1:350, ELISA 1:5000-1:10000

### 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.

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Applications:WB-Western Blot IHC-Immunohistochemistry IF-Immunofluorescence IP-Immunoprecipitation FC-Flow cytometry ChIP-Chromatin Immunoprecipitation Reactivity: H-Human R-Rat M-Mouse Mk-Monkey Dg-Dog Ch-Chicken Hm-Hamster Rb-Rabbit Sh-Sheep Pg-Pig Z-Zebrafish X-Xenopus C-Cow.