



Glucose 6 phosphatase alpha Polyclonal Antibody

Catalog:	BS65881	Host:	Rabbit	Reactivity:	Hu-man, Mouse, Rat, Dog, Pig, Cow, Rabbit, Sheep,
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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.[provided by RefSeq, Feb 2011]

Product:

0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.

Molecular Weight:

~39 kDa

Swiss-Prot:

P35575

Purification&Purity:

affinity purified by Protein A

Applications:

Flow-Cyt=0.2ug/test

Storage&Stability:

Store at 4 °C short term. Aliquot and store at -54 °C long term. Avoid freeze-thaw cycles.

Specificity:

Glucose 6 phosphatase alpha Polyclonal Antibody detects endogenous levels of Glucose 6 phosphatase alpha protein.

DATA:

Note:

For research use only, not for use in diagnostic procedure.

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