

MaxPab®

G6PC2 purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00057818-B01P

Size 500 ug

Specification

Product Description	Mouse polyclonal antibody raised against a full-length human G6PC2 protein.
Immunogen	G6PC2 (ADR82936.1, 1 a.a. ~ 355 a.a) full-length human protein.
Sequence	MDFLHRNGVLIQHLQKDYRAYYTFLNFMSNVGDPRNIFYFPLCFQFNQTVGTKMMWVAVIGDWL NLIFKWILFGHRPYWWVQETQYPNHSSPCLEQFPTTCETGPGSPSGHAMGASCVWYVMVTAAL SHTVCGMDKFSITLHRLTWSFLWSVFWLIQISVCISRVFIATHFPHQVILGVIGGMLVAEAFEHTPGI QTASLGTYLKTNLFLFLFAVGFYLLLRVLNIDLLWSVPIAKKWCANPDWIHIDTTPFAGLVRNLGVLF GLGFAINSEMFLSCRGGNNYLSFRLLCALTSLTILQLYHFLQIPTHEEHLYVLSFCKSASIPLTVV AFIPYSVHMLMKQSGKKSQ
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (84)
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

Gene Info — G6PC2

Entrez GeneID	57818
GeneBank Accession#	HQ258182.1
Protein Accession#	ADR82936.1
Gene Name	G6PC2
Gene Alias	IGRP, MGC141936
Gene Description	glucose-6-phosphatase, catalytic, 2
Omim ID	608058
Gene Ontology	Hyperlink
Gene Summary	This gene encodes an enzyme belonging to the glucose-6-phosphatase catalytic subunit family. These enzymes are part of a multicomponent integral membrane system that catalyzes the hydrolysis of glucose-6-phosphate, the terminal step in gluconeogenic and glycogenolytic pathways, allowing the release of glucose into the bloodstream. The family member encoded by this gene is found in pancreatic islets and does not exhibit phosphohydrolase activity, but it is a major target of cell-mediated autoimmunity in diabetes. Several alternatively spliced transcript variants of this gene have been described, but their biological validity has not been determined. [provided by RefSeq]
Other Designations	islet specific glucose 6 phosphatase catalytic subunit related protein islet-specific G6CP-related protein islet-specific glucose-6-phosphatase catalytic subunit-related protein islet-specific glucose-6-phosphatase-related protein

Pathway

- [Adipocytokine signaling pathway](#)
- [Galactose metabolism](#)
- [Glycolysis / Gluconeogenesis](#)
- [Insulin signaling pathway](#)
- [Metabolic pathways](#)
- [Starch and sucrose metabolism](#)

Disease

- [Birth Weight](#)
- [Diabetes Mellitus](#)

- [Genetic Predisposition to Disease](#)
- [Glucose Intolerance](#)
- [Hypertension](#)
- [Insulin Resistance](#)
- [Metabolic Syndrome X](#)
- [Obesity](#)
- [Pancreatic Diseases](#)
- [Weight Gain](#)