

DNAXPAb

Hard-to-Find
Antibody

G6PC2 DNAXPab

Catalog # H00057818-W01P

Size 200 ug

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human G6PC2 DNA using DNAX™ Immune technology.
Technology	DNAX™ Immune
Immunogen	Full-length human DNA
Sequence	MDFLHRNGVLIQHLQKDYRAYYTFNFMNSVGDPRNIFFIYFPLCFQFNQTVGTKMMWVAVIGDWLNLIFKWILFGHRPYWWVQETQYPNHSSPCLEQFPTTCETGPGSPSGHAMGASCVWYVMVTAALSHTVCGMDKFSITLHRLTWSFLWSVFWLIQISVCISRVFIATHFPHQVILGVIGGMLVAEAFEHTPGIQTASLGTYLKTNLFLFLFAVGFYLLLRVLNIDLLWSVPIAKKWCANPDWIHIDTTPFAGLVRNLGVLFGLGFAINSEMFLSCRGNNYLSFRLLCALTSLTILQLYHFLQIPTHEEHLFYVLSFCKSASIPLTVVAFIPYSVHMLMKQSGKKSQ
Host	Rabbit
Reactivity	Human
Purification	Protein A
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](#)

- Immunofluorescence (Transfected cell)

- Flow Cytometry (Transfected cell)

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](#)