

Rabbit G6PC Polyclonal Antibody | anti-G6PC antibody

G6PC antibody - N-terminal region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA199400	Rabbit	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Pig, Rabbit, Rat, Sheep	Western Blot, Immunohistochemistry

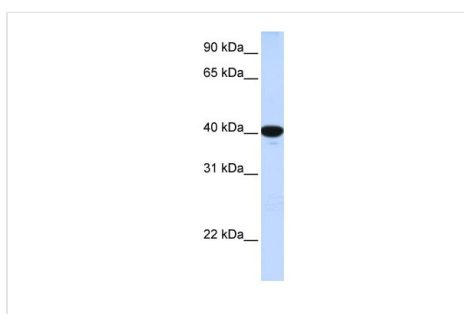
PRODUCT SYNONYMS

G6PC; Polyclonal Antibody; G6PC antibody - N-terminal region; anti-G6PC antibody

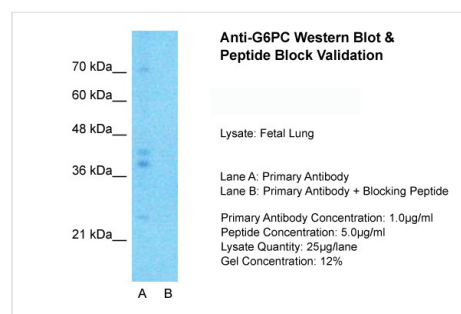
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Pig, Rabbit, Rat, Sheep
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and may contain up to 2% sucrose.
Sequence	Synthetic peptide with the following sequence: NL VFKWILFGQR PYWWLDTDY YSNTSVPLIK QFPVTCETGP GSPSGHAM
Sequence Length	357
Applicable Applications for anti-G6PC antibody	WB (Western Blot), IHC (Immunohistochemistry)
Homology	Cow: 93%; Dog: 100%; Guinea Pig: 93%; Horse: 93%; Human: 100%; Mouse: 86%; Pig: 100%; Rabbit: 93%; Rat: 93%; Sheep: 100%
Immunogen	The immunogen is a synthetic peptide directed towards the N terminal region of human G6PC
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

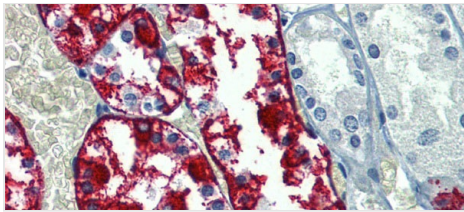
IMAGES


WB (Western Blot)

WB Suggested Anti-G6PC Antibody Titration: 1 ug/ml Positive Control: Fetal Lung cell lysate


WB (Western Blot)

Host: Rabbit Target Name: G6PC Sample Type: Human Fetal Lung Lane A: Primary Antibody Lane B: Primary Antibody + Blocking Peptide Primary Antibody Concentration: 1ug/ml Peptide Concentration: 5ug/ml Lysate Quantity: 25ug/lane Gel Concentration: 0.12



IHC (Immunohistochemistry)
Immunohistochemistry with Human kidney lysate tissue

ADDITIONAL INFORMATION

Related Product Information for anti-G6PC antibody	This is a rabbit polyclonal antibody against G6PC. It was validated on Western Blot using a cell lysate as a positive control. Target Description: G6PC hydrolyzes glucose-6-phosphate to glucose in the endoplasmic reticulum. It forms with the glucose-6-phosphate transporter (SLC37A4/G6PT) the complex responsible for glucose production through glycogenolysis and gluconeogenesis. Hence, it is the key enzyme in homeostatic regulation of blood glucose levels. Glucose-6-phosphatase is an integral membrane protein of the endoplasmic reticulum that catalyzes the hydrolysis of D-glucose 6-phosphate to D-glucose and orthophosphate. It is a key enzyme in glucose homeostasis, functioning in gluconeogenesis and glycogenolysis. Defects in the enzyme cause glycogen storage disease type I (von Gierke disease). Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications.
Product Categories/Family for anti-G6PC antibody	Polyclonal; Signal Proteins; Lymphocyte Signaling; Membrane Protein; Drugs and Drug Metabolism; Developmental Biology; Immunohistochemistry; Receptors; Phosphorylation

NCBI AND UNIPROT INFORMATION

NCBI GI #	393537031
NCBI GeneID	2538
NCBI Accession #	NP_000142
NCBI GenBank Nucleotide #	NM_000151
UniProt Accession #	P35575
Molecular Weight	40kDa
NCBI Official Full Name	glucose-6-phosphatase isoform 1
NCBI Official Synonym Full Names	glucose-6-phosphatase catalytic subunit
NCBI Official Symbol	G6PC
NCBI Official Synonym Symbols	G6PT; GSD1; G6PC1; GSD1a; G6Pase
NCBI Protein Information	glucose-6-phosphatase
UniProt Protein Name	Glucose-6-phosphatase
UniProt Gene Name	G6PC
UniProt Synonym Gene Names	G6PT; G-6-Pase; G6Pase
UniProt Entry Name	G6PC_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.