

G6PC3 Antibody (C-Term)

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP22167b

Product Information

Application	WB, E
Primary Accession	Q9BUM1
Reactivity	Human, Mouse
Predicted	Bovine, Canine, Rabbit
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Clone Names	RB55151
Calculated MW	38735

Additional Information

Gene ID	92579
Other Names	Glucose-6-phosphatase 3, G-6-Pase 3, G6Pase 3, 3.1.3.9, Glucose-6-phosphatase beta, G6Pase-beta, Ubiquitous glucose-6-phosphatase catalytic subunit-related protein, G6PC3, UGRP
Target/Specificity	This G6PC3 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 215-246 amino acids from human G6PC3.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	G6PC3 Antibody (C-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	G6PC3
Synonyms	UGRP
Function	Hydrolyzes glucose-6-phosphate to glucose in the endoplasmic reticulum.

May form with the glucose-6-phosphate transporter (SLC37A4/G6PT) a ubiquitously expressed complex responsible for glucose production through glycogenolysis and gluconeogenesis. Probably required for normal neutrophil function.

Cellular Location

Endoplasmic reticulum membrane; Multi-pass membrane protein

Tissue Location

Ubiquitously expressed. Highly expressed in skeletal muscle, at intermediate levels in heart, brain, placenta, kidney, colon, thymus, spleen and pancreas. Also detected in testis, prostate, ovary, liver, lung, small intestine and peripheral blood lymphocytes.

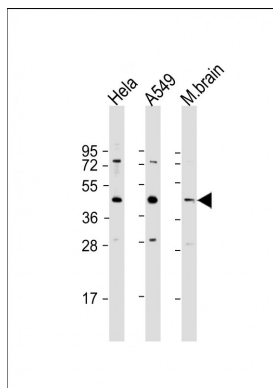
Background

Hydrolyzes glucose-6-phosphate to glucose in the endoplasmic reticulum. May form with the glucose-6-phosphate transporter (SLC37A4/G6PT) a ubiquitously expressed complex responsible for glucose production through glycogenolysis and gluconeogenesis. Probably required for normal neutrophil function.

References

Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.
Martin C.C.,et al.J. Mol. Endocrinol. 29:205-222(2002).
Guionie O.,et al.FEBS Lett. 551:159-164(2003).
Shieh J.-J.,et al.J. Biol. Chem. 278:47098-47103(2003).
Ghosh A.,et al.J. Biol. Chem. 279:12479-12483(2004).

Images



All lanes : Anti-G6PC3 Antibody (C-Term) at 1:1000 dilution Lane 1: HeLa whole cell lysate Lane 2: A549 whole cell lysate Lane 3: mouse brain lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 39 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.