Product Datasheet

G6PC Antibody - BSA Free
NBP1-80533

Unit Size: 100 ul

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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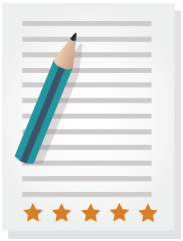


NBP1-80533

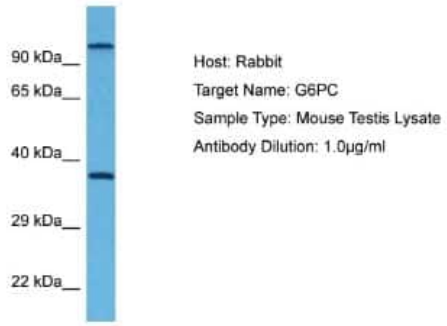
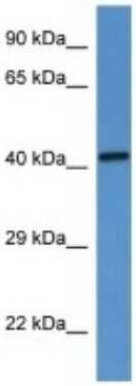
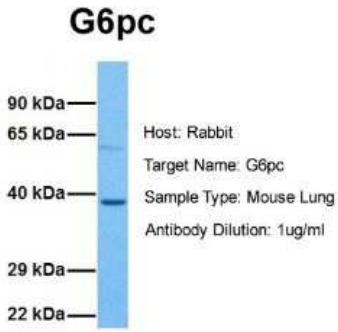
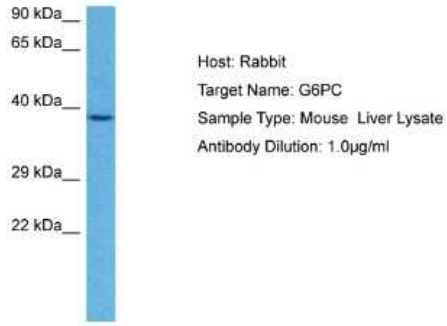
G6PC Antibody - BSA Free

Product Information	
Unit Size	100 ul
Concentration	0.5 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.09% Sodium Azide
Isotype	IgG
Purity	Affinity purified
Buffer	PBS, 2% Sucrose
Target Molecular Weight	40 kDa

Product Description	
Description	The addition of 50% glycerol is optional for those storing this antibody at -20C and not aliquoting smaller units. However, please note that glycerol may interrupt some downstream antibody applications and should be added with caution.
Host	Rabbit
Gene ID	2538
Gene Symbol	G6PC1
Species	Human, Mouse
Reactivity Notes	Human reactivity reported in scientific literature (PMID: 24755741).
Immunogen	Synthetic peptide corresponding to aa 10-59 in the N-terminal region of mouse G6PC (NP_032087). Peptide sequence DFGIQSTRYLQVNYQDSQDWFILVSVIADLRNAFYVLFPIWFHLKETVGI. The peptide sequence for this immunogen was taken from within the described region.

Product Application Details	
Applications	Western Blot
Recommended Dilutions	Western Blot 1.0 ug/ml

Images

Western Blot: G6PC Antibody [NBP1-80533] - Host: Rabbit. Target Name: G6PC. Sample Tissue: Mouse Testis. Antibody Dilution: 1ug/ml	
Western Blot: G6PC Antibody [NBP1-80533] - Mouse Intestine, concentration 1 ug/ml.	
Western Blot: G6PC Antibody [NBP1-80533] - Sample Tissue: Mouse Lung Antibody Dilution: 1.0ug/ml	
Western Blot: G6PC Antibody [NBP1-80533] - Host: Rabbit. Target Name: G6PC. Sample Tissue: Mouse Liver. Antibody Dilution: 1ug/ml	

Publications

Lin HY, Lin CH, Kuo YH, Shih CC. Antidiabetic and Antihyperlipidemic Activities and Molecular Mechanisms of Phyllanthus emblica L. Extract in Mice on a High-Fat Diet Current Issues in Molecular Biology 2024-09-20 [PMID: 39329975]

Yu X, Meng Z, Fang T et al. Empagliflozin Inhibits Hepatic Gluconeogenesis and Increases Glycogen Synthesis by AMPK/CREB/GSK3? Signalling Pathway Frontiers in Physiology 2022-03-01 [PMID: 35299662] (Western Blot)

Nishi K, Yoshii A, Abell L et al. Branched-chain keto acids inhibit mitochondrial pyruvate carrier and suppress gluconeogenesis in hepatocytes Cell reports 2023-06-12 [PMID: 37310861] (WB, Mouse)

Nishi K, Abell L, Frausto R et al. Branched-Chain Keto Acid Inhibits Mitochondrial Pyruvate Carrier and Suppresses Gluconeogenesis SSRN Electronic Journal 2022-02-04 (WB, Mouse)

Bhat N, Narayanan A, Fathzadeh M et al. Dyrk1b promotes hepatic lipogenesis by bypassing canonical insulin signaling and directly activating mTORC2 in mice The Journal of clinical investigation 2021-12-02 [PMID: 34855620] (WB)

Pang H, Li J, Wang Y et al. Mice lacking the proton channel Hv1 exhibit a sex-specific differences in glucose homeostasis The Journal of biological chemistry 2021-09-18 [PMID: 34547291] (WB, Mouse)

Ji YX, Wang Y, Li PL et al. A kinome screen reveals that Nemo-like kinase is a key suppressor of hepatic gluconeogenesis Cell metabolism 2021-06-01 [PMID: 33951476]

Chen S, Henderson A, Petriello M et al. Trimethylamine N-Oxide Binds and Activates PERK to Promote Metabolic Dysfunction Cell Metab. 2019-09-17 [PMID: 31543404]

Marquart TJ, Allen RM, Chen MR, Dorn GW Statins Stimulate Hepatic Glucose Production via the miR-183/96/182 Cluster bioRxiv 2019-08-07 (WB, Mouse)

Tao H, Zhang Y, Zeng X et al. Niclosamide ethanolamine-induced mild mitochondrial uncoupling improves diabetic symptoms in mice. Nat Med 2014-11-01 [PMID: 25282357]

Cicerchi Christina, Li Nanxing, Kratzer James et al. Uric acid-dependent inhibition of AMP kinase induces hepatic glucose production in diabetes and starvation: evolutionary implications of the uricase loss in hominids. FASEB J. 2014-04-22 [PMID: 24755741] (WB, Mouse, Human)

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NBP2-24891	Rabbit IgG Isotype Control
NBP2-31916PEP	G6PC Recombinant Protein Antigen

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