

Product Datasheet

PCK1 Antibody (3E4) - Azide and BSA Free H00005105-M01

Unit Size: 0.1 mg

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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H00005105-M01

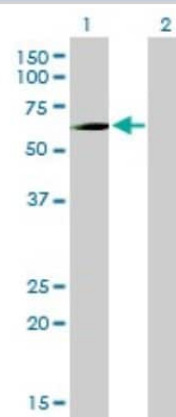
PCK1 Antibody (3E4) - Azide and BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	3E4
Preservative	No Preservative
Isotype	IgG1 Kappa
Purity	IgG purified
Buffer	In 1x PBS, pH 7.4
Product Description	
Description	Quality control test: Antibody Reactive Against Recombinant Protein.
Host	Mouse
Gene ID	5105
Gene Symbol	PCK1
Species	Human, Mouse
Specificity/Sensitivity	PCK1 - phosphoenolpyruvate carboxykinase 1 (soluble)
Immunogen	PCK1 (AAH23978, 1 a.a. ~ 622 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. MPPQLQNGLNLSAKVVQGSLSLPQAVREFLENNALCQPDHIHICDGSEEN GRLLGQMEEEGILRRLKKYDNCWLALTDPRDVARIESTVIVTQEQRDTVPIPK TGLSQLGRWMSEEDFEKAFNARFPGCMKGRMTMYVIPFSMGPLGSPLSKIGIEL TDSPYVVASMRIMTRMGTPVLEALGDGEFVKCLHSGCPLPLQKPLVNNWPC NPELTIAHLPDRREIISFGSGYGGNSLLGKKCFALRMASRLAKEEGWLAEHML VLGITNPEGEKKYLAAAFPSACGKTNLAMNPSLPGWKVECVGDDIAWMKFD AQGHLRAINPENGFFGVAPGTSVKTNPNAIKTIQKNTIFTNVAETSDGGVYWEG IDEPLASGVTITSWKNKEWSSSEDGEPCAHPNSRFCTPASQCPIIDAAWESPEG VPIEGIIIFGRRPAGVPLVYEALSWQHGVFVGAAMRSEATAAAEHKGKIIMHDP FAMRPFFGYNFGKYLAHWLSMAQHAPAAKLPKIFHVNWFRKDKEGKFLWPGFG ENSRVLEWMFNRIDGKASTKLTPIGYIPKEDALNLKGLGHINMMELFSISKEFWE KEVEDIEKYLEQVNADLPCEIEREILALKQRISQM
Notes	This product is produced by and distributed for Abnova, a company based in Taiwan.
Product Application Details	
Applications	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation
Recommended Dilutions	Western Blot 1:500, ELISA, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation
Application Notes	Antibody reactivity against cell lysate and recombinant protein for WB. It has also been used for IF and ELISA.

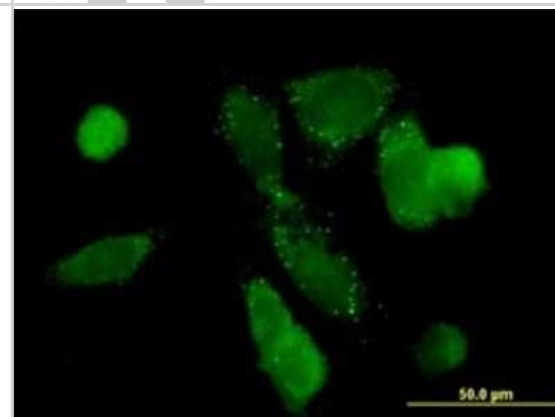


Images

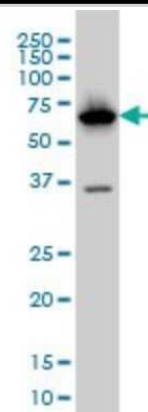
Western Blot: PCK1 Antibody (3E4) [H00005105-M01] - Analysis of PCK1 expression in transfected 293T cell line by PCK1 monoclonal antibody (M01), clone 3E4. Lane 1: PCK1 transfected lysate(69.2 KDa). Lane 2: Non-transfected lysate.



Immunocytochemistry/Immunofluorescence: PCK1 Antibody (3E4) [H00005105-M01] - Analysis of monoclonal antibody to PCK1 on HepG2 cell. Antibody concentration 10 ug/ml.



Western Blot: PCK1 Antibody (3E4) [H00005105-M01] - PCK1 monoclonal antibody (M01), clone 3E4 Analysis of PCK1 expression in HepG2.



Immunoprecipitation: PCK1 Antibody (3E4) [H00005105-M01] - Analysis of PCK1 transfected lysate using anti-PCK1 monoclonal antibody and Protein A Magnetic Bead, and immunoblotted with PCK1 MaxPab rabbit polyclonal antibody.



Publications

Montal E, Bhalla K, Dewi R et al. Inhibition of phosphoenolpyruvate carboxykinase blocks lactate utilization and impairs tumor growth in colorectal cancer. *Cancer Metab.* 2019-08-01 [PMID: 31388420]

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]





Novus Biologicals USA

10730 E. Briarwood Avenue
Centennial, CO 80112
USA
Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
nb-customerservice@bio-techne.com

Bio-Techne Canada

21 Canmotor Ave
Toronto, ON M8Z 4E6
Canada
Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada.inquires@bio-techne.com

Bio-Techne Ltd

19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom
Phone: (44) (0) 1235 529449
Free Phone: 0800 37 34 15
Fax: (44) (0) 1235 533420
info.EMEA@bio-techne.com

General Contact Information

www.novusbio.com
Technical Support: nb-technical@bio-techne.com
Orders: nb-customerservice@bio-techne.com
General: novus@novusbio.com

Products Related to H00005105-M01

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)
NBP1-78871-50ug	Recombinant Human PCK1 His Protein

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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