

Product Datasheet

PCK2 Antibody NB100-2422

Unit Size: 0.1 mg

Store at -20C. Avoid freeze-thaw cycles.

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Publications: 2

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NB100-2422

PCK2 Antibody

Product Information	
Unit Size	0.1 mg
Concentration	0.5 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	Tris saline (20 mM Tris pH 7.3, 150 mM NaCl), 0.5% BSA

Product Description	
Description	Novus Biologicals Goat PCK2 Antibody (NB100-2422) is a polyclonal antibody validated for use in WB, ELISA, Flow and ICC/IF. Anti-PCK2 Antibody: Cited in 2 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Goat
Gene ID	5106
Gene Symbol	PCK2
Species	Human, Mouse
Specificity/Sensitivity	This antibody is expected to recognize isoform 1 (NP_004554) only, no cross-reactivity with PCK1.
Immunogen	Peptide with sequence KPWKPGDKEPCAH corresponding to internal region according to NP_004554.2.

Product Application Details	
Applications	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Peptide ELISA
Recommended Dilutions	Western Blot 1 - 3 ug/mL, Flow Cytometry 10 ug/mL, Immunocytochemistry/ Immunofluorescence 10 ug/mL, Peptide ELISA Detection limit 1:4000
Application Notes	Approx 70 kDa band observed in lysates of cell lines A431, HEK293 HepG2 and NIH3T3 (calculated MW of 70.7 kDa according to Human NP_004554.3 and 70.5 kDa according to Mouse NP_083270.2).

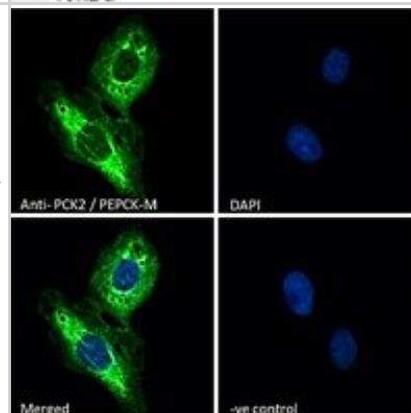


Images

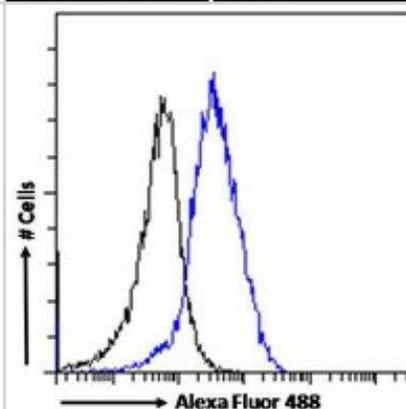
Western Blot: PCK2 Antibody [NB100-2422] - Staining of NIH3T3 cell lysate with antibody at 2 ug/mL (35ug protein in RIPA buffer). Detected by chemiluminescence.

250kDa
150kDa
100kDa
75kDa
50kDa
37kDa
25kDa
20kDa
15kDa

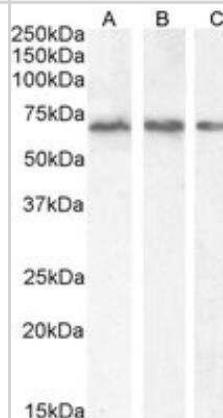
Immunocytochemistry/Immunofluorescence: PCK2 Antibody [NB100-2422] - Immunofluorescence analysis of paraformaldehyde fixed U2OS cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



Flow Cytometry: PCK2 Antibody [NB100-2422] - Flow cytometric analysis of paraformaldehyde fixed MCF7 cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (1ug/ml). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.



Western Blot: PCK2 Antibody [NB100-2422] - Staining of A431 (A), HEK293 (B) with antibody at 2 ug/mL and HepG2 (C) cell lysate with antibody at 1 ug/mL (35 ug protein in RIPA buffer). Detected by chemiluminescence.



Publications

Duplus E, Benelli C, Reis AF et al. Expression of phosphoenolpyruvate carboxykinase gene in human adipose tissue: induction by rosiglitazone and genetic analyses of the adipocyte-specific region of the promoter in type 2 diabetes. *Biochimie* 2003-12-01 [PMID: 14739078]

Zhou B, Li C, Qi W, Zhang Y, Zhang F, Wu JX, Hu YN, Wu DM, Liu Y, Yan TT, Jing Q, Liu MF, Zhai QW. Downregulation of miR-181a upregulates sirtuin-1 (SIRT1) and improves hepatic insulin sensitivity. *Diabetologia*. 2012-04-04 [PMID: 22476949] (WB, Human)





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Products Related to NB100-2422

NB820-59232	Human Liver Whole Tissue Lysate (Adult Whole Normal)
NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF017	Rabbit anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
HAF109	Donkey anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
NB410-28088-1mg	Goat IgG Isotype Control

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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