

Product Datasheet

Pyruvate Carboxylase Antibody (PSH01-55) NBP3-32722

Unit Size: 100 ul

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

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NBP3-32722

Pyruvate Carboxylase Antibody (PSH01-55)

Product Information	
Unit Size	100 ul
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	PSH01-55
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Protein A purified
Buffer	PBS (pH7.4), 0.05% BSA and 40% Glycerol
Target Molecular Weight	130 kDa

Product Description	
Description	Novus Biologicals Rabbit Pyruvate Carboxylase Antibody (PSH01-55) (NBP3-32722) is a recombinant monoclonal antibody validated for use in IHC, WB, Flow, ICC/IF and IP. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	5091
Gene Symbol	PC
Species	Human, Mouse, Rat
Immunogen	Recombinant protein within Human Pyruvate Carboxylase aa 450-1178. (Uniprot: P11498)

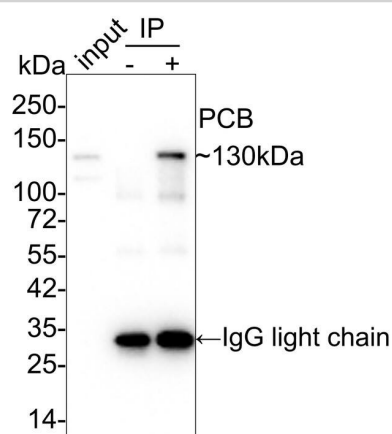
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunoprecipitation
Recommended Dilutions	Western Blot 1:1000, Flow Cytometry 1:1000, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1:250, Immunoprecipitation 1-2ug/sample, Immunohistochemistry-Paraffin 1:200

Images

Immunoprecipitation: Pyruvate Carboxylase Antibody (PSH01-55) [NBP3-32722] - Pyruvate Carboxylase was immunoprecipitated in 0.2mg HeLa cell lysate with NBP3-32722 at 2 ug/25 ul agarose. Western blot was performed from the immunoprecipitate using NBP3-32722 at 1/1,000 dilution. Anti-Rabbit IgG for IP Nano-secondary antibody at 1/5,000 dilution was used for 1 hour at room temperature.

Lane 1: HeLa cell lysate (input)
 Lane 2: Rabbit IgG instead of NBP3-32722 in HeLa cell lysate
 Lane 3: NBP3-32722 IP in HeLa cell lysate

Blocking/Dilution buffer: 5% NFDM/TBST
 Exposure time: 24 seconds



Western Blot: Pyruvate Carboxylase Antibody (PSH01-55) [NBP3-32722] - Western blot analysis of Pyruvate Carboxylase on different lysates with Rabbit anti-Pyruvate Carboxylase antibody (NBP3-32722) at 1/1,000 dilution.

Lane 1: HepG2 cell lysate
 Lane 2: MCF7 cell lysate
 Lane 3: A549 cell lysate
 Lane 4: Huh7 cell lysate
 Lane 5: HeLa cell lysate
 Lane 6: NIH/3T3 cell lysate
 Lane 7: Rat brain tissue lysate

Lysates/proteins at 30 ug/Lane.

Predicted band size: 130 kDa
 Observed band size: 130 kDa

Exposure time: 24 seconds;

4-20% SDS-PAGE gel.

Proteins were transferred to a PVDF membrane and blocked with 5% NFDN/TBST for 1 hour at room temperature. The primary antibody (NBP3-32722) at 1/1,000 dilution was used in 5% NFDN/TBST at room temperature for 2 hours. Goat Anti-Rabbit IgG - HRP Secondary Antibody at 1/50,000 dilution was used for 1 hour at room temperature.

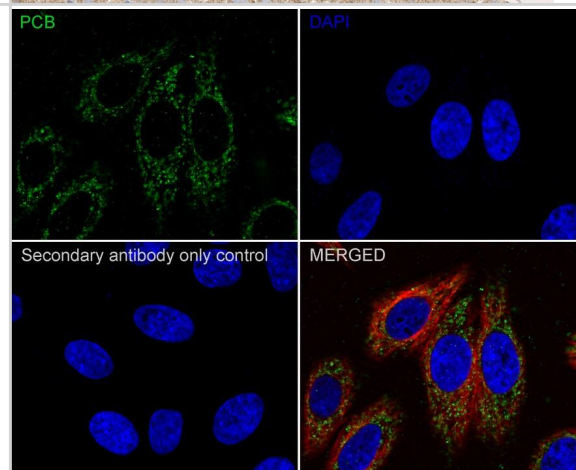
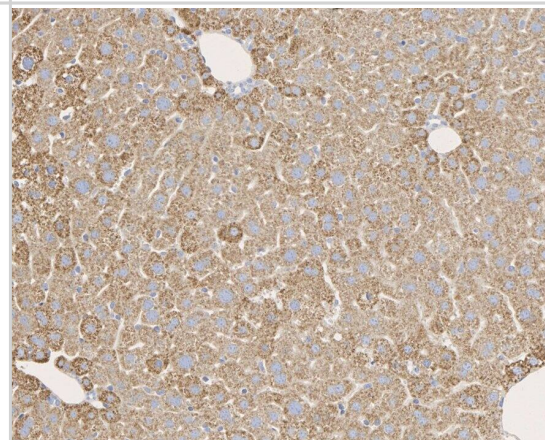
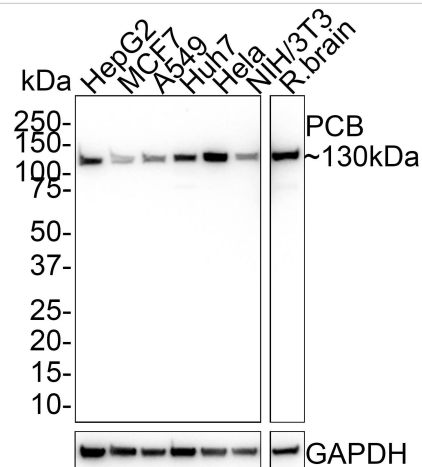
Immunohistochemistry: Pyruvate Carboxylase Antibody (PSH01-55) [NBP3-32722] - Immunohistochemical analysis of paraffin-embedded mouse liver tissue with Rabbit anti-Pyruvate Carboxylase antibody (NBP3-32722) at 1/200 dilution.

The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 20 minutes. The tissues were blocked in 1% BSA for 20 minutes at room temperature, washed with ddH₂O and PBS, and then probed with the primary antibody (NBP3-32722) at 1/200 dilution for 1 hour at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen. Tissues were counterstained with hematoxylin and mounted with DPX.

Immunocytochemistry/ Immunofluorescence: Pyruvate Carboxylase Antibody (PSH01-55) [NBP3-32722] - Immunocytochemistry analysis of HepG2 cells labeling Pyruvate Carboxylase with Rabbit anti-Pyruvate Carboxylase antibody (NBP3-32722) at 1/100 dilution.

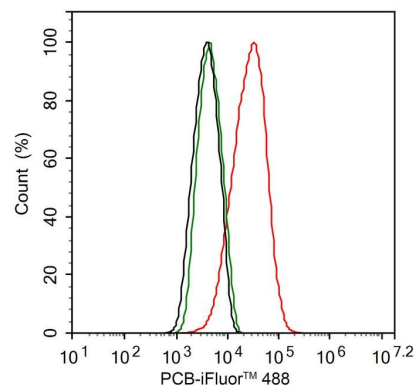
Cells were fixed in 4% paraformaldehyde for 20 minutes at room temperature, permeabilized with 0.1% Triton X-100 in PBS for 5 minutes at room temperature, then blocked with 1% BSA in 10% negative goat serum for 1 hour at room temperature. Cells were then incubated with Rabbit anti-Pyruvate Carboxylase antibody (NBP3-32722) at 1/100 dilution in 1% BSA in PBST overnight at 4 °C. Goat Anti-Rabbit IgG H&L (iFluor™ 488) was used as the secondary antibody at 1/1,000 dilution. PBS instead of the primary antibody was used as the secondary antibody only control. Nuclear DNA was labelled in blue with DAPI.

Beta tubulin (red) was stained at 1/100 dilution overnight at +4 °C. Goat Anti-Mouse IgG H&L (iFluor™ 594) was used as the secondary antibody at 1/1,000 dilution.



Flow Cytometry: Pyruvate Carboxylase Antibody (PSH01-55) [NBP3-32722] - Flow cytometric analysis of PC-12 cells labeling Pyruvate Carboxylase.

Cells were fixed and permeabilized. Then stained with the primary antibody (NBP3-32722, 1/1,000) (red) compared with Rabbit IgG Isotype Control (green). After incubation of the primary antibody at +4°C for an hour, the cells were stained with a iFluor™ 488 conjugate-Goat anti-Rabbit IgG Secondary antibody at 1/1,000 dilution for 30 minutes at +4°C. Unlabelled sample was used as a control (cells without incubation with primary antibody; black).





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Products Related to NBP3-32722

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit 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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