

Product Datasheet

Pyruvate Carboxylase Antibody - BSA Free NBP2-33407

Unit Size: 0.1 ml

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

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Publications: 2

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Updated 12/2/2025 v.20.1

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NBP2-33407

Pyruvate Carboxylase Antibody - BSA Free

Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Affinity purified
Buffer	PBS (pH 7.2) and 40% Glycerol

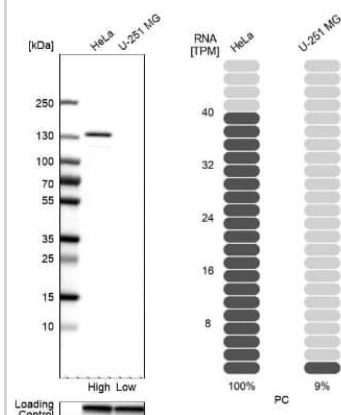
Product Description	
Description	Novus Biologicals Rabbit Pyruvate Carboxylase Antibody - BSA Free (NBP2-33407) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. Anti-Pyruvate Carboxylase Antibody: Cited in 2 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	5091
Gene Symbol	PC
Species	Human, Mouse
Reactivity Notes	Mouse reactivity reported in scientific literature (PMID: 26302408).
Immunogen	This antibody was developed against a recombinant protein corresponding to amino acids: GADVVDVAADSMMSGMTSQPSMGALVACTRGTPLDTEVPMERVFDYSEYWEG ARGLYAAFDCATMKSGNSDVYENEIPGGQYTNLHFQ

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:20 - 1:50, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:20 - 1:50
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF Fixation Permeabilization: Use PFA/Triton X-100.

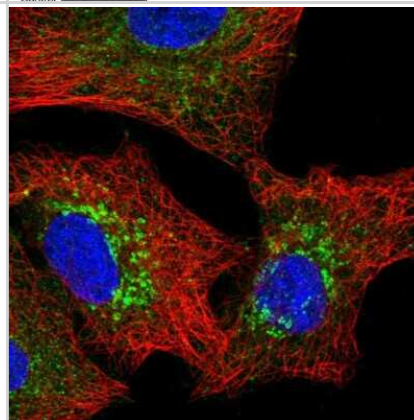


Images

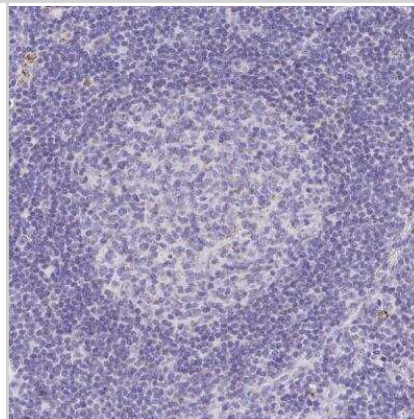
Western Blot: Pyruvate Carboxylase Antibody [NBP2-33407] - Analysis in human cell lines HeLa and U-251MG. Corresponding RNA-seq data are presented for the same cell lines. Loading control: Anti-GAPDH.



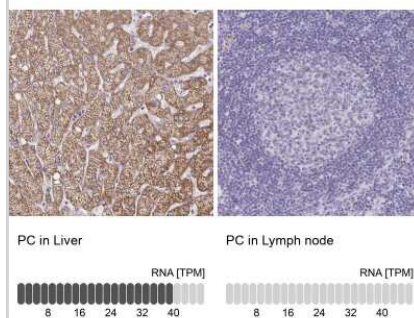
Immunocytochemistry/Immunofluorescence: Pyruvate Carboxylase Antibody [NBP2-33407] - Staining of human cell line A549 shows localization to mitochondria. Antibody staining is shown in green.



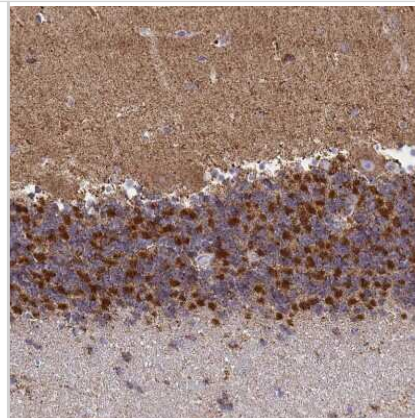
Immunohistochemistry-Paraffin: Pyruvate Carboxylase Antibody [NBP2-33407] - Staining of human lymph node shows no positivity in germinal center cells as expected.



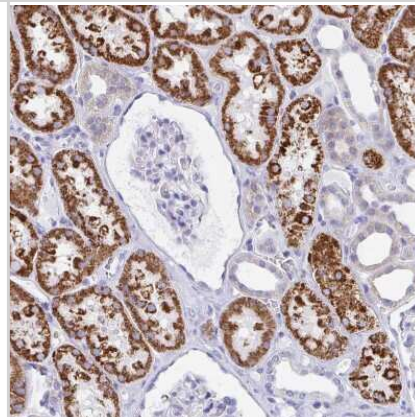
Immunohistochemistry-Paraffin: Pyruvate Carboxylase Antibody [NBP2-33407] - Analysis in human liver and lymph node tissues. Corresponding PC RNA-seq data are presented for the same tissues.



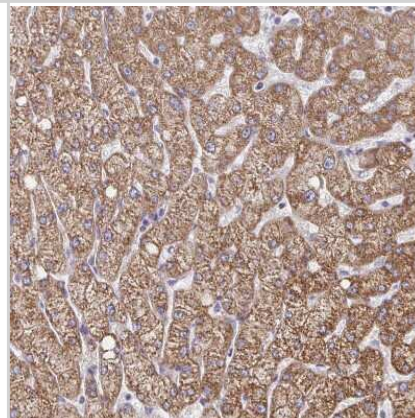
Immunohistochemistry-Paraffin: Pyruvate Carboxylase Antibody [NBP2-33407] - Staining of human cerebellum shows strong granular cytoplasmic positivity in cells in granular layer.



Immunohistochemistry-Paraffin: Pyruvate Carboxylase Antibody [NBP2-33407] - Staining of human kidney shows strong granular cytoplasmic positivity in cells in proximal tubules.



Immunohistochemistry-Paraffin: Pyruvate Carboxylase Antibody [NBP2-33407] - Staining of human liver shows strong granular cytoplasmic positivity in hepatocytes.



Publications

Lescat L, VEron V, Mourot B et al. Chaperone-Mediated Autophagy in the light of evolution: insight from fish Mol. Biol. Evol. 2020-05-21 [PMID: 32437540] (Immunohistochemistry, Mouse)

Simone Cardaci, Liang Zheng, Gillian MacKay et al. Pyruvate carboxylation enables growth of SDH-deficient cells by supporting aspartate biosynthesis. Nature Cell Biology 2015-08-24 [PMID: 26302408] (IF/IHC, Mouse)



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Products Related to NBP2-33407

NBP2-33407PEP	Pyruvate Carboxylase Recombinant Protein Antigen
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.

For more information on our 100% guarantee, please visit www.novusbio.com/guarantee

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