

Product Datasheet

PKM1 Antibody (PSH04-37)

NBP3-32825

Unit Size: 100 ul

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

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Updated 9/9/2025 v.20.1

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NBP3-32825

PKM1 Antibody (PSH04-37)

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	PSH04-37
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Protein A purified
Buffer	PBS (pH7.4), 0.1% BSA and 40% Glycerol
Target Molecular Weight	58 kDa
Product Description	
Description	Novus Biologicals Rabbit PKM1 Antibody (PSH04-37) (NBP3-32825) is a recombinant monoclonal antibody validated for use in IHC, WB, Flow and ICC/IF. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	5315
Gene Symbol	PKM
Species	Human, Mouse, Rat
Immunogen	Synthetic peptide within human PKM1 aa 389-433 / 531 (P14618-2). (Uniprot: P14618-2)
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 1:1000, Flow Cytometry 1:1000, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1:500, Immunohistochemistry-Paraffin 1:5000-1:30000



Images

Western Blot: PKM1 Antibody (PSH04-37) [NBP3-32825] - Western blot analysis of PKM1 on different lysates with Rabbit anti-PKM1 antibody (NBP3-32825) at 1/1,000 dilution.

Lane 1: HCT 116 cell lysate (20 ug/Lane)
 Lane 2: U-87 MG cell lysate (20 ug/Lane)
 Lane 3: HeLa cell lysate (20 ug/Lane)
 Lane 4: Human brain tissue lysate (40 ug/Lane)
 Lane 5: Mouse brain tissue lysate (40 ug/Lane)
 Lane 6: Mouse heart tissue lysate (40 ug/Lane)
 Lane 7: Mouse liver tissue lysate (negative) (40 ug/Lane)

Predicted band size: 58 kDa
 Observed band size: 55 kDa

Exposure time: 14 seconds; ECL;

4-20% SDS-PAGE gel.

Proteins were transferred to a PVDF membrane and blocked with 5% NFDM/TBST for 1 hour at room temperature. The primary antibody (NBP3-32825) at 1/1,000 dilution was used in 5% NFDM/TBST at 4°C overnight. Goat Anti-Rabbit IgG - HRP Secondary Antibody at 1/50,000 dilution was used for 1 hour at room temperature.

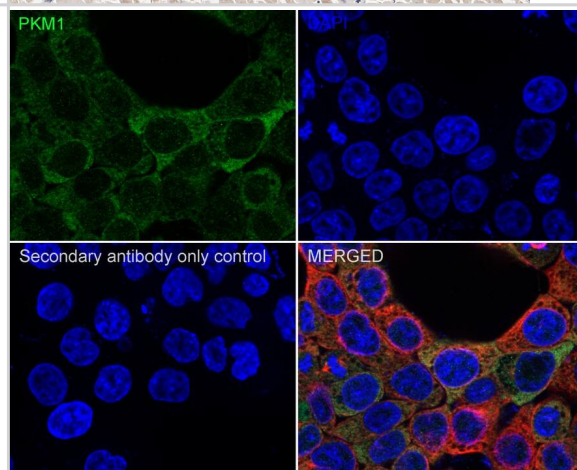
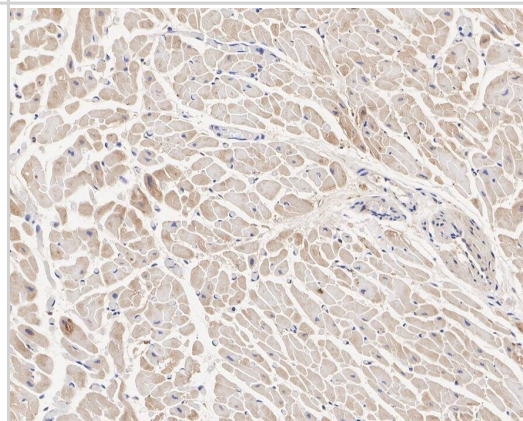
Immunohistochemistry: PKM1 Antibody (PSH04-37) [NBP3-32825] - Immunohistochemical analysis of paraffin-embedded human heart tissue with Rabbit anti-PKM1 antibody (NBP3-32825) at 1/30,000 dilution.

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 (NBP3-32825) at 1/30,000 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: PKM1 Antibody (PSH04-37) [NBP3-32825] - Immunocytochemistry analysis of HCT 116 cells labeling PKM1 with Rabbit anti-PKM1 antibody (NBP3-32825) at 1/200 dilution.

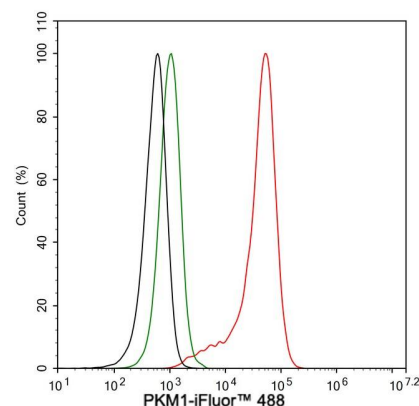
Cells were fixed in 4% paraformaldehyde for 20 minutes at room temperature, permeabilized with 0.1% Triton X-100 in PBS for 5 minutes at room temperature, then blocked with 1% BSA in 10% negative goat serum for 1 hour at room temperature. Cells were then incubated with Rabbit anti-PKM1 antibody (NBP3-32825) at 1/200 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: PKM1 Antibody (PSH04-37) [NBP3-32825] - Flow cytometric analysis of HCT 116 cells labeling PKM1.

Cells were fixed and permeabilized. Then stained with the primary antibody (NBP3-32825, 1 µg/mL) (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).





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 NBP3-32825

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP2-14833PEP	PKM1 Antibody Blocking Peptide

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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