

Product Datasheet

Peroxiredoxin 5 Antibody (PSH03-90) NBP3-32740

Unit Size: 100 ul

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

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NBP3-32740**Peroxiredoxin 5 Antibody (PSH03-90)****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	PSH03-90
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Protein A purified
Buffer	PBS (pH7.4), 0.1% BSA and 40% Glycerol
Target Molecular Weight	22 kDa

Product Description

Description	Novus Biologicals Rabbit Peroxiredoxin 5 Antibody (PSH03-90) (NBP3-32740) 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	25824
Gene Symbol	PRDX5
Species	Human, Mouse, Rat
Immunogen	Recombinant protein within human Peroxiredoxin 5 aa 31-214 / 214. (Uniprot: P30044)

Product Application Details

Applications	Western Blot, Immunohistochemistry-Paraffin, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunoprecipitation
Recommended Dilutions	Western Blot 1:20000-1:50000, Flow Cytometry 1:1000, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1:100, Immunoprecipitation 1-2ug/sample, Immunohistochemistry-Paraffin 1:10000

Images

Immunoprecipitation: Peroxiredoxin 5 Antibody (PSH03-90) [NBP3-32740] - Peroxiredoxin 5 was immunoprecipitated in 0.2mg HeLa cell lysate with NBP3-32740 at 2 ug/25 ul agarose. Western blot was performed from the immunoprecipitate using NBP3-32740 at 1/5,000 dilution. Anti-Rabbit IgG for IP Nano-secondary antibody at 1/5,000 dilution was used for 1 hour at room temperature.

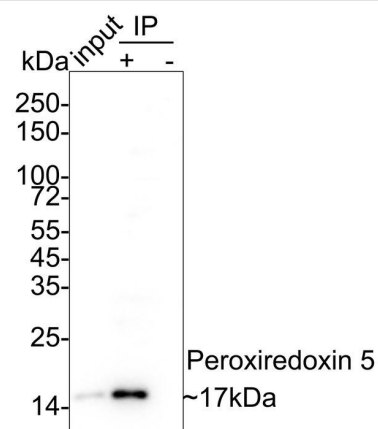
Lane 1: HeLa cell lysate (input)

Lane 2: NBP3-32740 IP in HeLa cell lysate

Lane 3: Rabbit IgG instead of NBP3-32740 in HeLa cell lysate

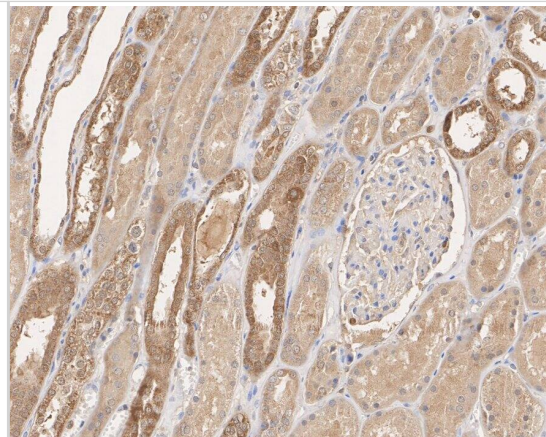
Blocking/Dilution buffer: 5% NFDM/TBST

Exposure time: 43 seconds; ECL



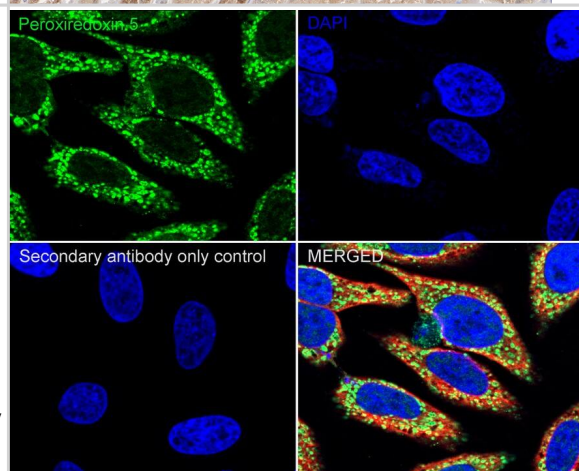
Immunohistochemistry: Peroxiredoxin 5 Antibody (PSH03-90) [NBP3-32740] - Immunohistochemical analysis of paraffin-embedded human kidney tissue with Rabbit anti-Peroxiredoxin 5 antibody (NBP3-32740) at 1/10,000 dilution.

The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0) for 2 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 (NBP3-32740) at 1/10,000 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: Peroxiredoxin 5 Antibody (PSH03-90) [NBP3-32740] - Immunocytochemistry analysis of HeLa cells labeling Peroxiredoxin 5 with Rabbit anti-Peroxiredoxin 5 antibody (NBP3-32740) at 1/100 dilution.

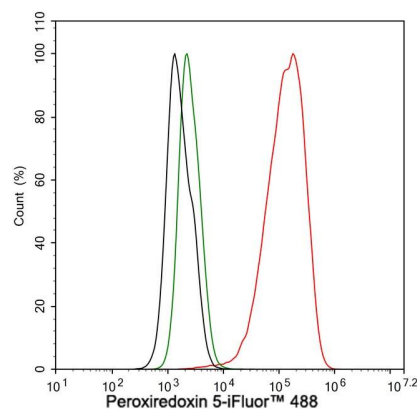
Cells were fixed in 4% paraformaldehyde for 20 minutes at room temperature, permeabilized with 0.1% Triton X-100 in PBS for 5 minutes at room temperature, then blocked with 1% BSA in 10% negative goat serum for 1 hour at room temperature. Cells were then incubated with Rabbit anti-Peroxiredoxin 5 antibody (NBP3-32740) 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: Peroxiredoxin 5 Antibody (PSH03-90) [NBP3-32740] - Flow cytometric analysis of HeLa cells labeling Peroxiredoxin 5.

Cells were fixed and permeabilized. Then stained with the primary antibody (NBP3-32740, 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).



Western Blot: Peroxiredoxin 5 Antibody (PSH03-90) [NBP3-32740] -
Western blot analysis of Peroxiredoxin 5 on different lysates with Rabbit
anti-Peroxiredoxin 5 antibody (NBP3-32740) at 1/50,000 dilution.

Lane 1: HeLa cell lysate (10 µg/Lane)

Lane 2: A549 cell lysate (10 µg/Lane)

Lane 3: MCF7 cell lysate (10 µg/Lane)

Lane 4: Mouse liver tissue lysate (15 µg/Lane)

Lane 5: Mouse kidney tissue lysate (15 µg/Lane)

Lane 6: Rat liver tissue lysate (15 µg/Lane)

Lane 7: Rat kidney tissue lysate (15 µg/Lane)

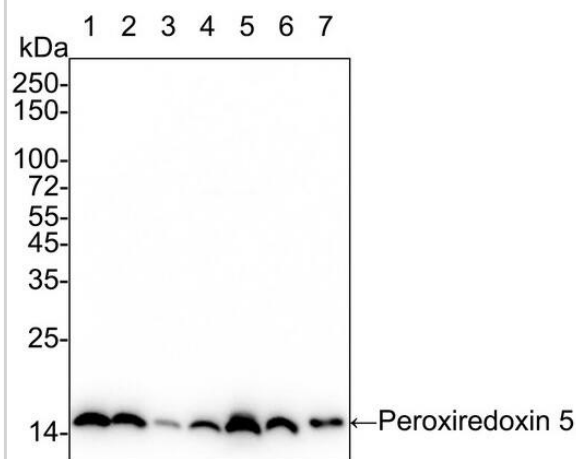
Predicted band size: 22 kDa

Observed band size: 17 kDa

Exposure time: 10 seconds;

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 at
1/50,000 dilution was used in 5% NFDm/TBST at 4°C overnight. Goat
Anti-Rabbit IgG - HRP Secondary Antibody at 1/200,000 dilution was
used for 1 hour at room temperature.





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Products Related to NBP3-32740

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP2-38370PEP	Peroxiredoxin 5 Recombinant Protein Antigen

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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