Product Datasheet

Glutathione Peroxidase 1/GPX1 Antibody (C5-A10-R)
NBP3-32389

Unit Size: 100 ul

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

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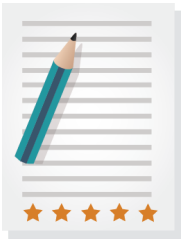


NBP3-32389

Glutathione Peroxidase 1/GPX1 Antibody (C5-A10-R)

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	C5-A10-R
Preservative	0.05% Sodium Azide
Isotype	IgG1
Purity	Protein A purified
Buffer	PBS (pH7.4), 0.1% BSA and 40% Glycerol
Target Molecular Weight	22 kDa

Product Description	
Description	Novus Biologicals Mouse Glutathione Peroxidase 1/GPX1 Antibody (C5-A10-R) (NBP3-32389) 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	Mouse
Gene ID	2876
Gene Symbol	GPX1
Species	Human
Immunogen	Recombinant protein within Human Glutathione Peroxidase 1 aa 20-203 / 203. (Uniprot: P07203)

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 1:100, Immunohistochemistry-Paraffin 1:1000

Images

Western Blot: Glutathione Peroxidase 1/GPX1 Antibody (C5-A10-R) [NBP3-32389] - Western blot analysis of Glutathione Peroxidase 1/GPX1 on different lysates with Mouse anti-Glutathione Peroxidase 1/GPX1 antibody (NBP3-32389) at 1/1,000 dilution.

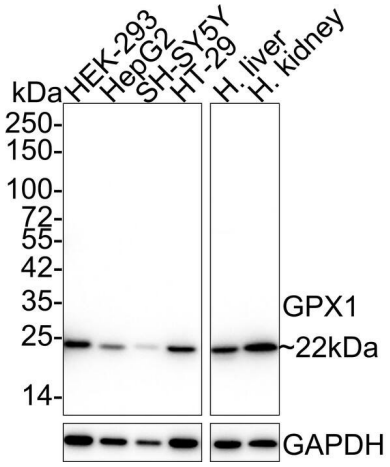
Lane 1: HEK-293 cell lysate (20 ug/Lane)
Lane 2: HepG2 cell lysate (20 ug/Lane)
Lane 3: SH-SY5Y cell lysate (20 ug/Lane)
Lane 4: HT-29 cell lysate (20 ug/Lane)
Lane 5: Human liver tissue lysate (40 ug/Lane)
Lane 6: Human kidney tissue lysate (40 ug/Lane)

Predicted band size: 22 kDa
Observed band size: 22 kDa

Exposure time: 24 seconds;

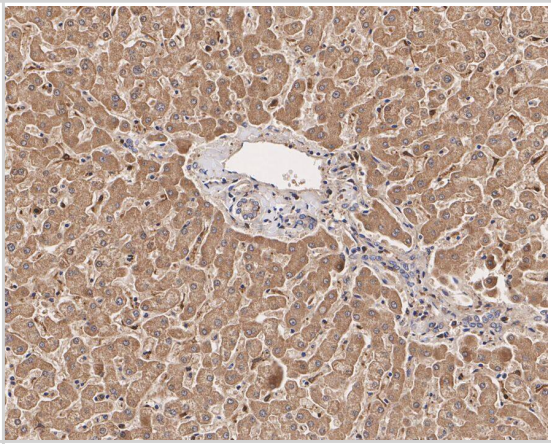
4-20% SDS-PAGE gel.

Proteins were transferred to a PVDF membrane and blocked with 5% NFDM/TBST for 1 hour at room temperature. The primary antibody (NBP3-32389) at 1/1,000 dilution was used in 5% NFDM/TBST at 4 overnight. Goat Anti-Mouse IgG - HRP Secondary Antibody at 1/50,000 dilution was used for 1 hour at room temperature.



Immunohistochemistry: Glutathione Peroxidase 1/GPX1 Antibody (C5-A10-R) [NBP3-32389] - Immunohistochemical analysis of paraffin-embedded human liver tissue with Mouse anti-Glutathione Peroxidase 1/GPX1 antibody (NBP3-32389) at 1/1,000 dilution.

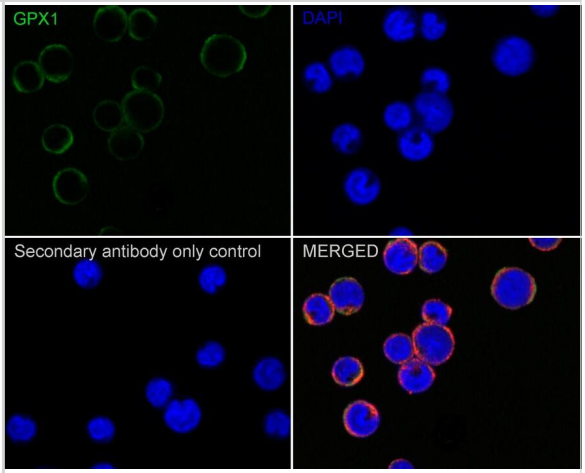
The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 20 minutes. The tissues were blocked in 1% BSA for 20 minutes at room temperature, washed with ddH2O and PBS, and then probed with the primary antibody (NBP3-32389) at 1/1,000 dilution for 1 hour at room 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: Glutathione Peroxidase 1/GPX1 Antibody (C5-A10-R) [NBP3-32389] - Immunocytochemistry analysis of THP-1 cells labeling Glutathione Peroxidase 1/GPX1 with Mouse anti-Glutathione Peroxidase 1/GPX1 antibody (NBP3-32389) at 1/100 dilution.

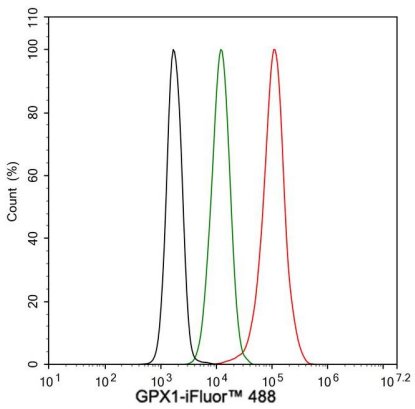
Cells were fixed in 80% precooled methanol for 5 minutes at room temperature, then blocked with 1% BSA in 10% negative goat serum for 1 hour at room temperature. Cells were then incubated with Mouse anti-Glutathione Peroxidase 1/GPX1 antibody (NBP3-32389) at 1/100 dilution in 1% BSA in PBST overnight at 4 □. Goat Anti-Mouse 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□. Goat Anti-Rabbit IgG H&L (iFluor™ 594) were used as the secondary antibody at 1/1,000 dilution.



Flow Cytometry: Glutathione Peroxidase 1/GPX1 Antibody (C5-A10-R) [NBP3-32389] - Flow cytometric analysis of THP-1 cells labeling Glutathione Peroxidase 1/GPX1.

Cells were fixed and permeabilized. Then stained with the primary antibody (NBP3-32389, 1µg/mL) (red) compared with Mouse IgG1 Isotype Control (green). After incubation of the primary antibody at +4□ for an hour, the cells were stained with a iFluor™ 488 conjugate-Goat anti-Mouse IgG Secondary antibody at 1/1,000 dilution for 30 minutes at +4□. Unlabelled sample was used as a control (cells without incubation with primary antibody; black).



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Products Related to NBP3-32389

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)

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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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