Product Datasheet

Glutathione S-Transferase pi 1/GSTP1 Antibody (11D5-R) NBP3-32411

Unit Size: 100 ul

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

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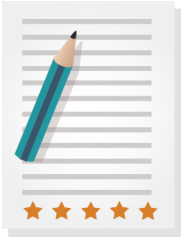


NBP3-32411

Glutathione S-Transferase pi 1/GSTP1 Antibody (11D5-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	11D5-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	23 kDa

Product Description	
Description	Novus Biologicals Mouse Glutathione S-Transferase pi 1/GSTP1 Antibody (11D5-R) (NBP3-32411) is a recombinant monoclonal antibody validated for use in IHC, WB and ICC/IF. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	2950
Gene Symbol	GSTP1
Species	Human
Immunogen	Recombinant protein within Human Glutathione S-Transferase pi 1/GSTP1 aa 1-183 / 210. (Uniprot: P09211)

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 1:2000, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1:100, Immunohistochemistry-Paraffin 1:5000

Images

Western Blot: Glutathione S-Transferase pi 1/GSTP1 Antibody (11D5-R) [NBP3-32411] - Western blot analysis of Glutathione S-Transferase pi 1/GSTP1 on different lysates with Mouse anti-Glutathione S-Transferase pi 1/GSTP1 antibody (NBP3-32411) at 1/2,000 dilution.

Lane 1: HeLa cell lysate
Lane 2: HEK-293 cell lysate
Lane 3: MDA-MB-231 cell lysate
Lane 4: HT-29 cell lysate
Lane 5: Jurkat cell lysate
Lane 6: K-562 cell lysate
Lane 7: JAR cell lysate
Lane 8: Human brain tissue lysate
Lane 9: Human lung tissue lysate

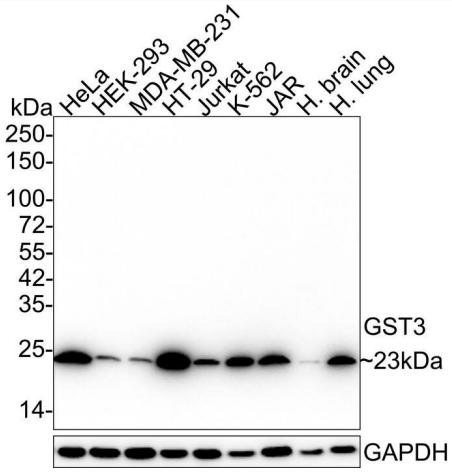
Lysates/proteins at 20 ug/Lane.

Predicted band size: 23 kDa
Observed band size: 23 kDa

Exposure time: 1 minute 2 seconds;

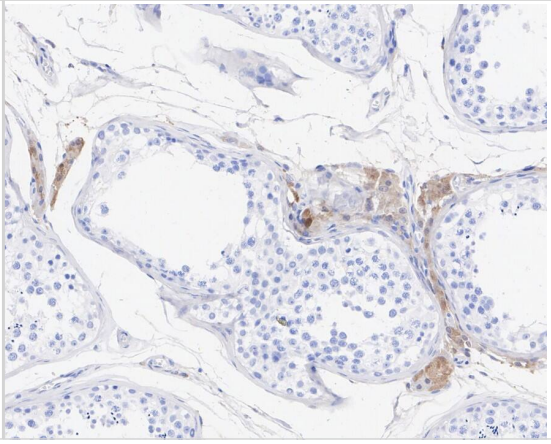
4-20% SDS-PAGE gel.

Proteins were transferred to a PVDF membrane and blocked with 5% NFDM/TBST for 1 hour at room temperature. The primary antibody (NBP3-32411) at 1/2,000 dilution was used in 5% NFDM/TBST at 4 overnight. Anti-Mouse IgG for IP Nano-secondary antibody (NBI02H) at 1/5,000 dilution was used for 1 hour at room temperature.



Immunohistochemistry: Glutathione S-Transferase pi 1/GSTP1 Antibody (11D5-R) [NBP3-32411] - Immunohistochemical analysis of paraffin-embedded human testis tissue with Mouse anti-Glutathione S-Transferase pi 1/GSTP1 antibody (NBP3-32411) at 1/5,000 dilution.

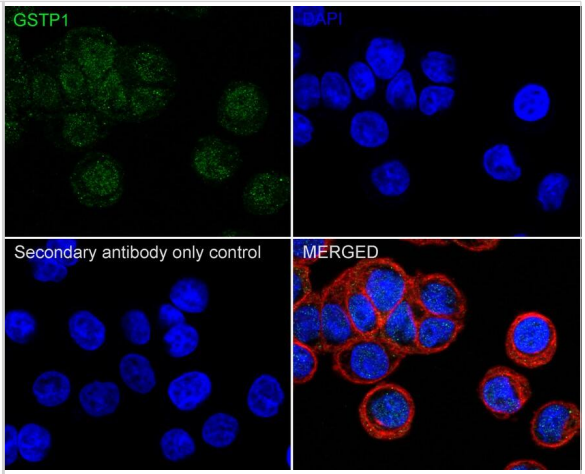
The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 20 minutes. The tissues were blocked in 1% BSA for 20 minutes at room temperature, washed with ddH2O and PBS, and then probed with the primary antibody (NBP3-32411) at 1/5,000 dilution for 1 hour at room 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 S-Transferase pi 1/GSTP1 Antibody (11D5-R) [NBP3-32411] - Immunocytochemistry analysis of HT-29 cells labeling Glutathione S-Transferase pi 1/GSTP1 with Mouse anti-Glutathione S-Transferase pi 1/GSTP1 antibody (NBP3-32411) 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 Mouse anti-Glutathione S-Transferase pi 1/GSTP1 antibody (NBP3-32411) 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.



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Products Related to NBP3-32411

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)

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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