

Product Datasheet

GSTO1 Antibody NBP2-32691

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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Updated 1/27/2023 v.20.1

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NBP2-32691

GSTO1 Antibody

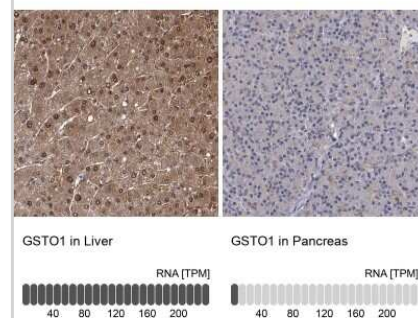
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium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

Product Description	
Host	Rabbit
Gene ID	9446
Gene Symbol	GSTO1
Species	Human
Immunogen	This antibody was developed against a recombinant protein corresponding to amino acids: WFERLEAMKLNEDVDHTPKLKLWMAAMKEDPTVSALLTSEKDWQGFLELYLQ NSPEACDYGL

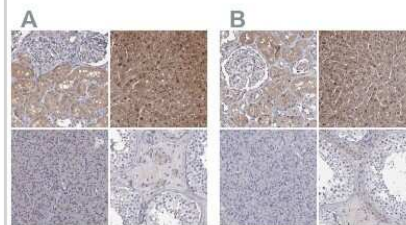
Product Application Details	
Applications	Western Blot, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 0.04 - 0.4 ug/ml, Immunohistochemistry 1:500 - 1:1000, Immunohistochemistry-Paraffin 1:500 - 1:1000
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended. GSTO1 antibody validated for WB from a verified customer review.

Images

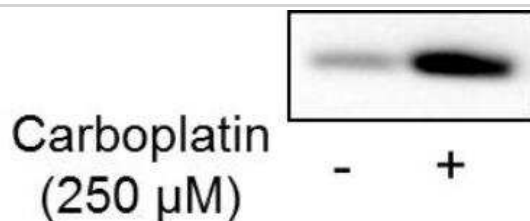
Immunohistochemistry-Paraffin: GSTO1 Antibody [NBP2-32691] - Analysis in human liver and pancreas tissues using NBP2-32691 antibody. Corresponding GSTO1 RNA-seq data are presented for the same tissues.



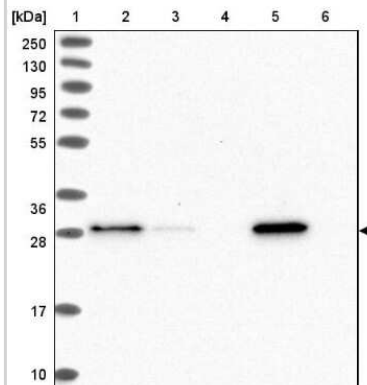
Immunohistochemistry-Paraffin: GSTO1 Antibody [NBP2-32691] - Staining of human kidney, liver, pancreas and testis using Anti-GSTO1 antibody NBP2-32691 (A) shows similar protein distribution across tissues to independent antibody NBP1-83321 (B).



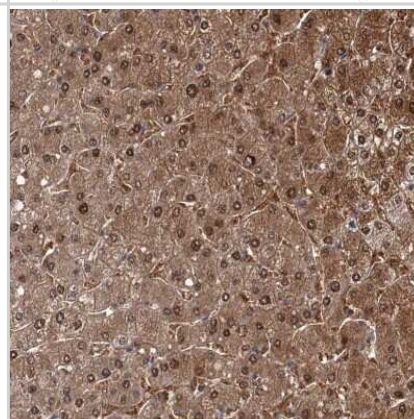
Western Blot: GSTO1 Antibody [NBP2-32691] - Human breast cancer cell line MCF7 was treated with carboplatin for 72 hours and expression of GSTO1 was detected by Western blot. Image from verified customer review.



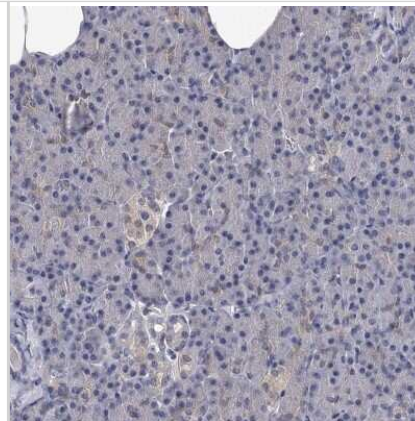
Western Blot: GSTO1 Antibody [NBP2-32691] - Lane 1: Marker [kDa] 250, 130, 95, 72, 55, 36, 28, 17, 10. Lane 2: Human cell line RT-4. Lane 3: Human cell line U-251MG sp. Lane 4: Human plasma (IgG/HSA depleted). Lane 5: Human liver tissue. Lane 6: Human tonsil tissue



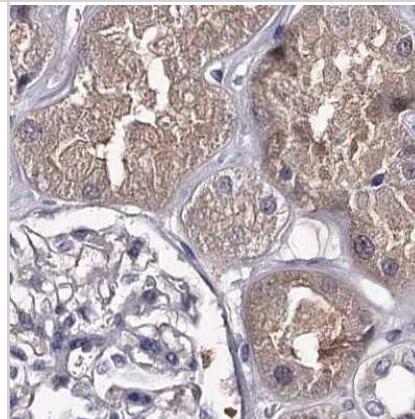
Immunohistochemistry-Paraffin: GSTO1 Antibody [NBP2-32691] - Staining of human liver shows high expression.



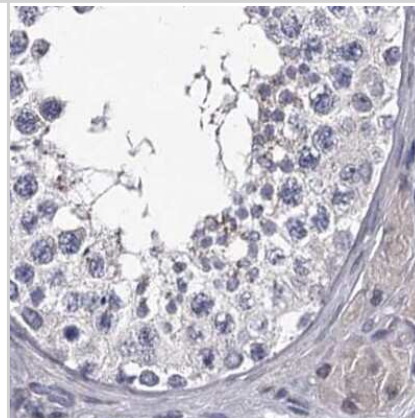
Immunohistochemistry-Paraffin: GSTO1 Antibody [NBP2-32691] - Staining of human pancreas shows low expression as expected.



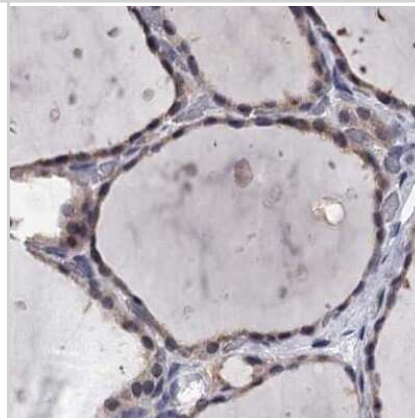
Immunohistochemistry-Paraffin: GSTO1 Antibody [NBP2-32691] - Staining of human kidney.



Immunohistochemistry-Paraffin: GSTO1 Antibody [NBP2-32691] - Staining of human testis.



Immunohistochemistry-Paraffin: GSTO1 Antibody [NBP2-32691] - Staining of human thyroid gland.



Publications

Chen W, Pilling D, Gomer RH The mRNA binding protein DDX3 mediates TGF- β 1 upregulation of translation and promotes pulmonary fibrosis JCI insight 2023-02-23 [PMID: 36821384] (IHC-Fr, WB, Human, Mouse)

Lu H, Chen I, Shimoda LA et al. Chemotherapy-Induced Ca²⁺ Release Stimulates Breast Cancer Stem Cell Enrichment Cell Rep. 2017-02-21 [PMID: 28228260] (IP, WB, Human)

Details:
The positive impact of HIF inhibitors on breast cancer chemotherapy is explored through GSTO1 knockdown.





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Products Related to NBP2-32691

NBP2-32691PEP	GSTO1 Recombinant Protein Antigen
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.

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