

# Product Datasheet

## GSTO1 Antibody - BSA Free

### NBP2-32691

Unit Size: 0.1 ml

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

[www.novusbio.com](http://www.novusbio.com)



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Updated 12/2/2025 v.20.1

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**NBP2-32691**

GSTO1 Antibody - BSA Free

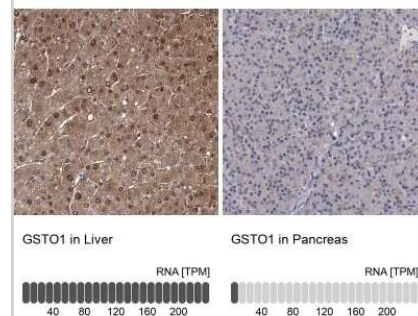
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium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

Product Description	
Description	Novus Biologicals Rabbit GSTO1 Antibody - BSA Free (NBP2-32691) is a polyclonal antibody validated for use in IHC, WB and IP. Anti-GSTO1 Antibody: Cited in 2 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
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

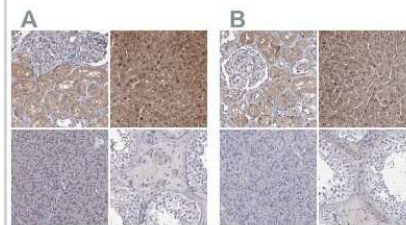
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunohistochemistry
Recommended Dilutions	Western Blot 0.04 - 0.4 ug/ml, Immunohistochemistry 1:500 - 1:1000, Immunohistochemistry-Paraffin 1:500 - 1:1000
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is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

**Images**

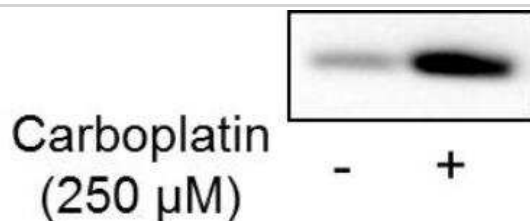
Immunohistochemistry-Paraffin: GSTO1 Antibody [NBP2-32691] - Analysis in human liver and pancreas tissues using NBP2-32691 antibody. Corresponding GSTO1 RNA-seq data are presented for the same tissues.



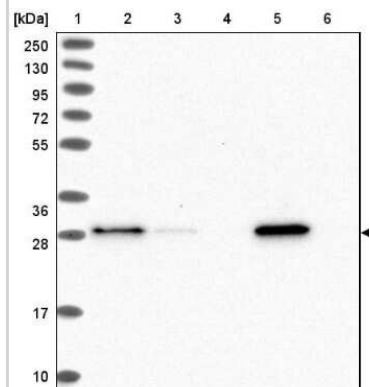
Immunohistochemistry-Paraffin: GSTO1 Antibody [NBP2-32691] - Staining of human kidney, liver, pancreas and testis using Anti-GSTO1 antibody NBP2-32691 (A) shows similar protein distribution across tissues to independent antibody NBP1-83321 (B).



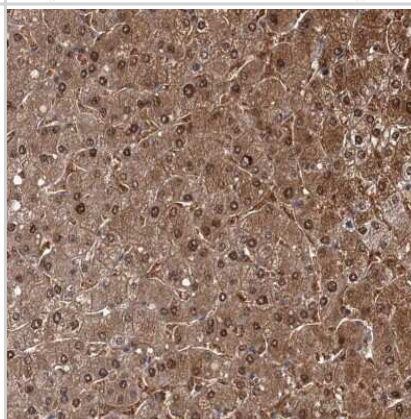
Western Blot: GSTO1 Antibody [NBP2-32691] - Human breast cancer cell line MCF7 was treated with carboplatin for 72 hours and expression of GSTO1 was detected by Western blot. Image from verified customer review.



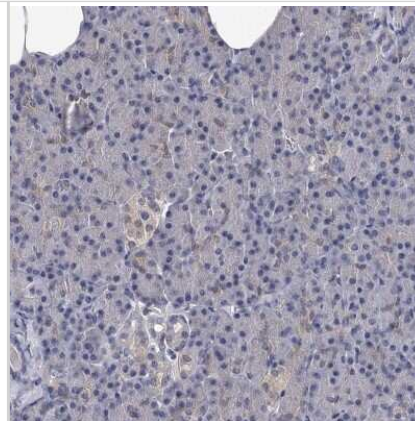
Western Blot: GSTO1 Antibody [NBP2-32691] - Lane 1: Marker [kDa] 250, 130, 95, 72, 55, 36, 28, 17, 10. Lane 2: Human cell line RT-4. Lane 3: Human cell line U-251MG sp. Lane 4: Human plasma (IgG/HSA depleted). Lane 5: Human liver tissue. Lane 6: Human tonsil tissue



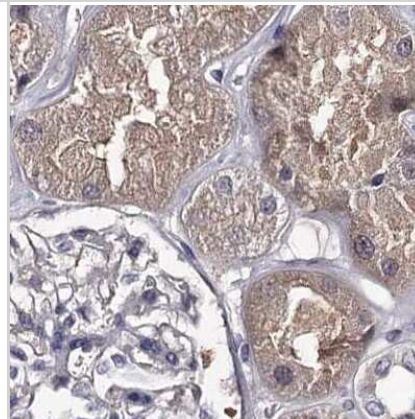
Immunohistochemistry-Paraffin: GSTO1 Antibody [NBP2-32691] - Staining of human liver shows high expression.



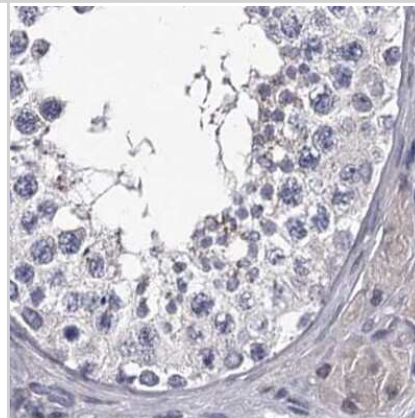
Immunohistochemistry-Paraffin: GSTO1 Antibody [NBP2-32691] - Staining of human pancreas shows low expression as expected.



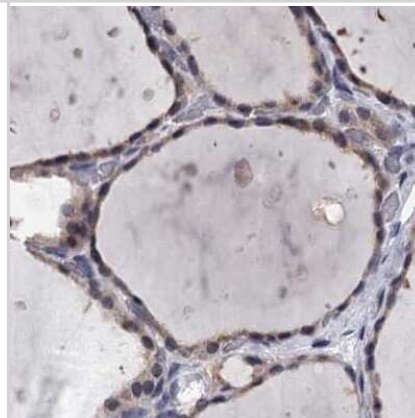
Immunohistochemistry-Paraffin: GSTO1 Antibody [NBP2-32691] - Staining of human kidney.



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- $\beta$ 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 Ca<sup>2+</sup> 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.





### **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 NBP2-32691**

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NBP2-32691PEP	GSTO1 Recombinant Protein Antigen
NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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### **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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