

# Product Datasheet

## AGXT Antibody - BSA Free

### NBP1-89200

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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#### Publications: 3

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**NBP1-89200**

AGXT 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  |

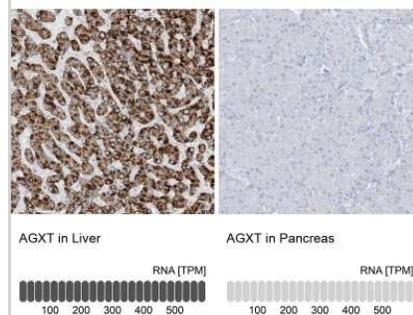
| Product Description |   |
|---------------------|---|
| Description         | Novus Biologicals Rabbit AGXT Antibody - BSA Free (NBP1-89200) is a polyclonal antibody validated for use in IHC, WB and Simple Western. Anti-AGXT Antibody: Cited in 3 publications. All Novus Biologicals antibodies are covered by our 100% guarantee. |
| Host                | Rabbit  |
| Gene ID             | 189   |
| Gene Symbol         | AGXT  |
| Species             | Human, Mouse  |
| Reactivity Notes    | Mouse reactivity reported in scientific literature (PMID: 26609667).  |
| Immunogen           | This antibody was developed against Recombinant Protein corresponding to amino acids:<br>HPMTKDPGGHYTLQEVEEGLAQHKPVLFLTHGESSTGVLQPLDGFGE LCHR<br>YKCLLLVDSVASLGGTPLYMDRQQGIDILYSGS  |

| Product Application Details |   |
|-----------------------------|---|
| Applications                | Western Blot, Simple Western, Immunohistochemistry-Paraffin, Immunohistochemistry   |
| Recommended Dilutions       | Western Blot 0.04-0.4 ug/ml, Simple Western 1:20, Immunohistochemistry 1:1000 - 1:2500, Immunohistochemistry-Paraffin 1:1000-1:2500   |
| Application Notes           | For IHC-Paraffin, HIER pH 6 retrieval is recommended.<br><br>In Simple Western only 10 - 15 uL of the recommended dilution is used per data point.<br>See <a href="#">Simple Western Antibody Database</a> for Simple Western validation: Tested in Liver, HepG2, separated by Size, antibody dilution of 1:20, apparent MW was 47 kDa. Separated by Size-Wes, Sally Sue/Peggy Sue. |

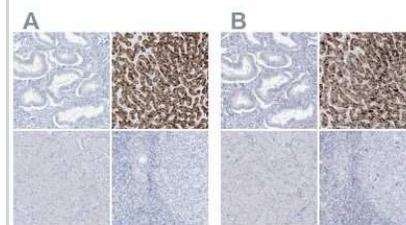


## Images

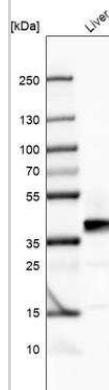
Immunohistochemistry-Paraffin: AGXT Antibody [NBP1-89200] - Analysis in human liver and pancreas tissues. Corresponding AGXT RNA-seq data are presented for the same tissues.



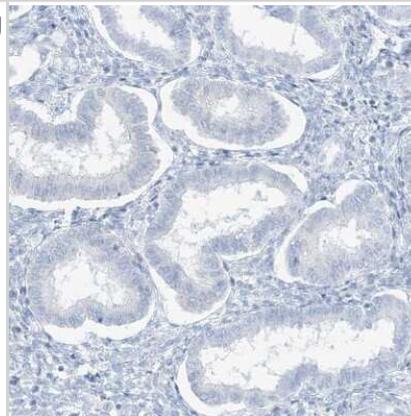
Immunohistochemistry-Paraffin: AGXT Antibody [NBP1-89200] - Staining of human endometrium, fallopian tube, skin and testis using Anti-NEK1 antibody (A) NBP1-89200 shows similar protein distribution across tissues to independent antibody NBP2-34198 (B).



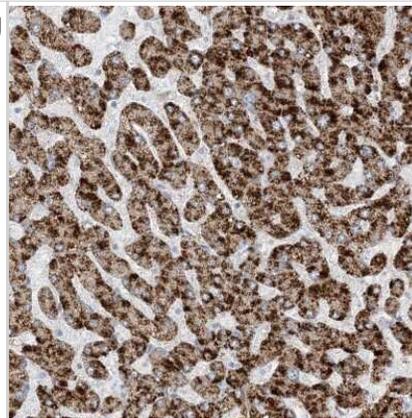
Western Blot: AGXT Antibody [NBP1-89200] - Analysis in human liver tissue.



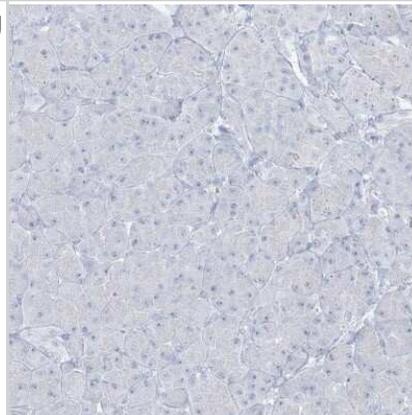
Immunohistochemistry-Paraffin: AGXT Antibody [NBP1-89200] - Staining of human endometrium shows no positivity in glandular cells as expected.



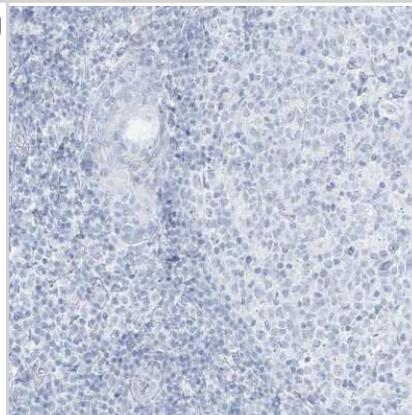
Immunohistochemistry-Paraffin: AGXT Antibody [NBP1-89200] - Staining of human liver shows strong granular positivity in cytoplasm in hepatocytes.



Immunohistochemistry-Paraffin: AGXT Antibody [NBP1-89200] - Staining of human pancreas shows no positivity in exocrine glandular cells as expected.



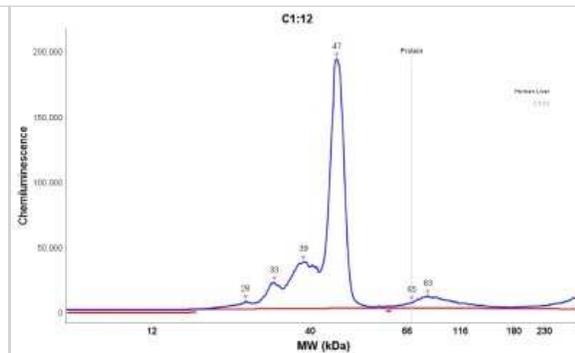
Immunohistochemistry-Paraffin: AGXT Antibody [NBP1-89200] - Staining of human tonsil shows no positivity in non-germinal center cells as expected.



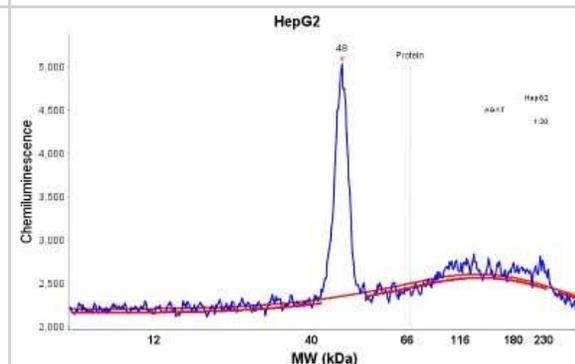
Simple Western: AGXT Antibody [NBP1-89200] - Simple Western lane view shows a specific band for AGXT in 0.2 mg/ml of Liver (left), HepG2 (right) lysate. This experiment was performed under reducing conditions using the 12-230 kDa separation system.



Simple Western: AGXT Antibody [NBP1-89200] - Electropherogram image(s) of corresponding Simple Western lane view. AGXT antibody was used at 1:20 dilution on Liver lysate(s).



Simple Western: AGXT Antibody [NBP1-89200] - Electropherogram image(s) of corresponding Simple Western Lane view. AGXT antibody was used at 1:20 dilution on HepG2 lysate(s).



## Publications

Li Y, Zheng R, Xu G, et al. Generation and characterization of a novel rat model of primary hyperoxaluria type 1 with a nonsense mutation in alanine-glyoxylate aminotransferase gene *American journal of physiology. Renal physiology* 2021-01-25 [PMID: 33491567] (WB)

Zheng R, Li Y, Wang L et al. CRISPR/Cas9-mediated metabolic pathway reprogramming in a novel humanized rat model ameliorates primary hyperoxaluria type 1 *Kidney Int.* 2020-05-25 [PMID: 32464217]

R Castello, R Borzone, S D'Aria et al. Helper-dependent adenoviral vectors for liver-directed gene therapy of primary hyperoxaluria type 1. *Gene Therapy* 2015-12-24 [PMID: 26609667] (WB, Mouse)



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### **Products Related to NBP1-89200**

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|               |   |
|---------------|---|
| NBP1-89200PEP | AGXT 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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