

# Product Datasheet

## AGXT Antibody 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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Updated 7/19/2023 v.20.1

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**NBP1-89200**

AGXT Antibody

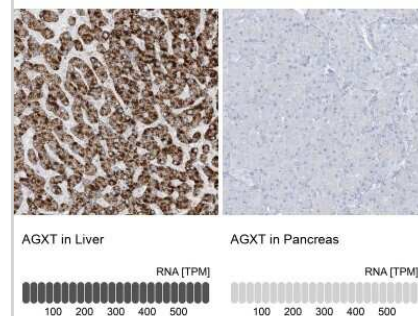
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium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

Product Description	
Host	Rabbit
Gene ID	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: HPMTKDPGGHYTLQEVEEGLAQHKPVLLFLTHGESSTGVLQPLDGFGE LCHR YKCLLLVDSVASLGGTPLYMDRQQIDILYSGS

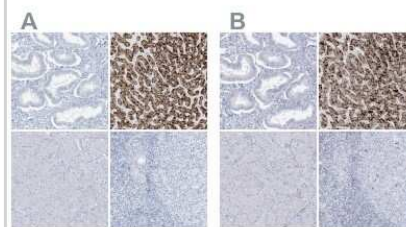
Product Application Details	
Applications	Western Blot, Simple Western, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 0.04-0.4 ug/ml, Simple Western 1:20, Immunohistochemistry 1:1000 - 1:2500, Immunohistochemistry-Paraffin 1:1000-1:2500
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended.  In Simple Western only 10 - 15 uL of the recommended dilution is used per data point. Separated by Size-Wes, Sally Sue/Peggy Sue.

**Images**

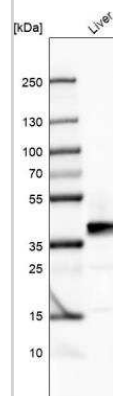
Immunohistochemistry-Paraffin: AGXT Antibody [NBP1-89200] - Analysis in human liver and pancreas tissues. Corresponding AGXT RNA-seq data are presented for the same tissues.



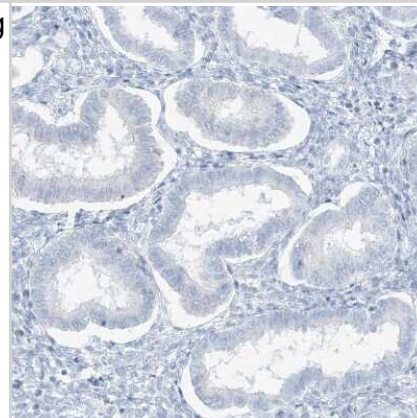
Immunohistochemistry-Paraffin: AGXT Antibody [NBP1-89200] - Staining of human endometrium, fallopian tube, skin and testis using Anti-NEK1 antibody (A) NBP1-89200 shows similar protein distribution across tissues to independent antibody NBP2-34198 (B).



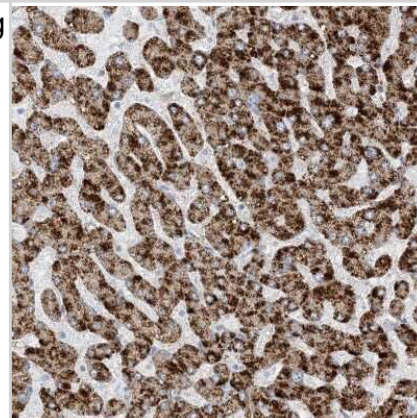
Western Blot: AGXT Antibody [NBP1-89200] - Analysis in human liver tissue.



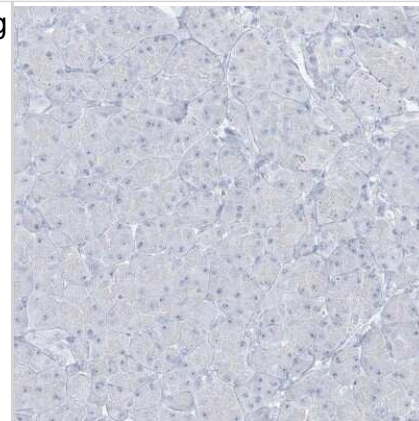
Immunohistochemistry-Paraffin: AGXT Antibody [NBP1-89200] - Staining of human endometrium shows no positivity in glandular cells as expected.



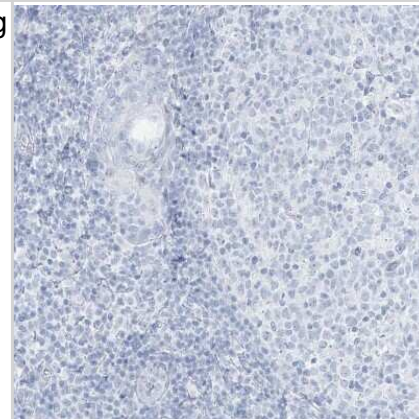
Immunohistochemistry-Paraffin: AGXT Antibody [NBP1-89200] - Staining of human liver shows strong granular positivity in cytoplasm in hepatocytes.



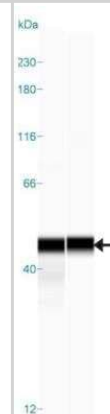
Immunohistochemistry-Paraffin: AGXT Antibody [NBP1-89200] - Staining of human pancreas shows no positivity in exocrine glandular cells as expected.



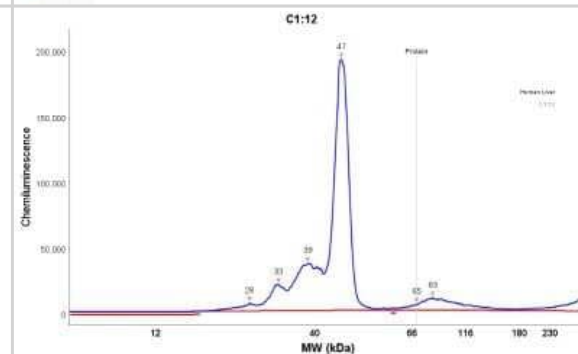
Immunohistochemistry-Paraffin: AGXT Antibody [NBP1-89200] - Staining of human tonsil shows no positivity in non-germinal center cells as expected.



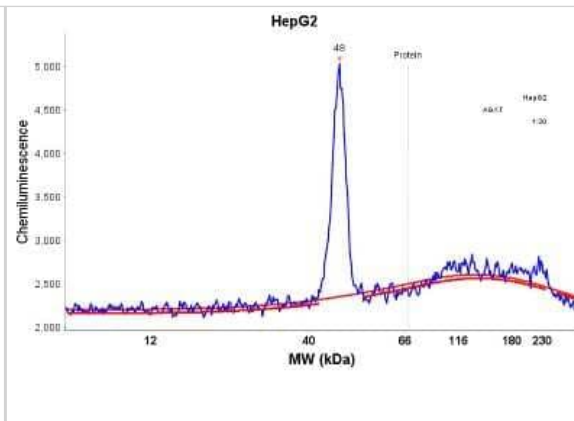
Simple Western: AGXT Antibody [NBP1-89200] - Simple Western lane view shows a specific band for AGXT in 0.2 mg/ml of Liver (left), HepG2 (right) lysate. This experiment was performed under reducing conditions using the 12-230 kDa separation system.



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
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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