

# Product Datasheet

## ALDH7A1 Antibody - BSA Free

### NBP1-88908

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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**NBP1-88908**

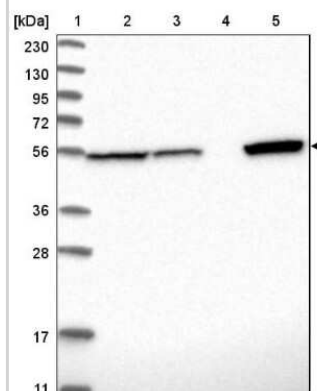
ALDH7A1 Antibody - BSA Free

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	Immunogen affinity purified
Buffer	PBS (pH 7.2) and 40% Glycerol
Product Description	
Description	Novus Biologicals Rabbit ALDH7A1 Antibody - BSA Free (NBP1-88908) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	501
Gene Symbol	ALDH7A1
Species	Human
Reactivity Notes	Immunogen displays the following percentage of sequence identity for non-tested species: Mouse (86%), Rat (89%)
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: DLSLVVPSALFAAVGTAGQRCTTARRLFIHESIHDVVNRLKKAYAQIRVGNPW DPNVLYGPLHTKQAVSMFLGAVEEAKKEGGTVVYGGKVMDRPGNYVEPTIVT GLGHDASIAHTETFAPILY
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:1000 - 1:2500, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:1000 - 1:2500
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended. Immunocytochemistry/Immunofluorescence Fixation Permeabilization: Use PFA/Triton X-100.

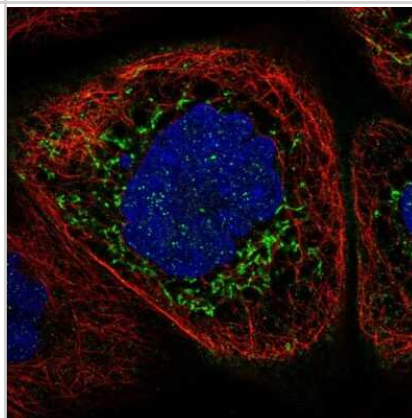


## Images

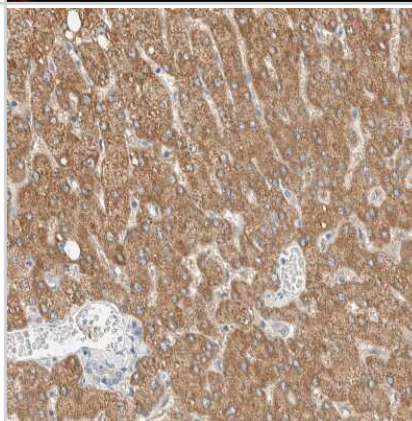
Western Blot: ALDH7A1 Antibody [NBP1-88908] - Lane 1: Marker [kDa] 230, 130, 95, 72, 56, 36, 28, 17, 11. Lane 2: Human cell line RT-4. Lane 3: Human cell line U-251MG sp. Lane 4: Human plasma (IgG/HSA depleted). Lane 5: Human liver tissue



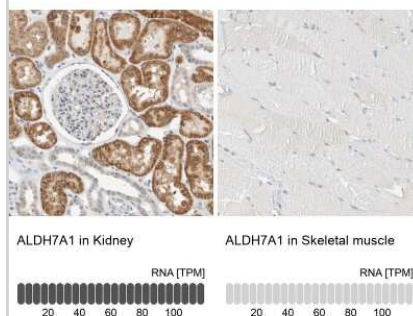
Immunocytochemistry/Immunofluorescence: ALDH7A1 Antibody [NBP1-88908] - Staining of human cell line A-431 shows localization to mitochondria. Antibody staining is shown in green.



Immunohistochemistry-Paraffin: ALDH7A1 Antibody [NBP1-88908] - Staining of human liver shows moderate positivity in cytoplasm granular in hepatocytes.



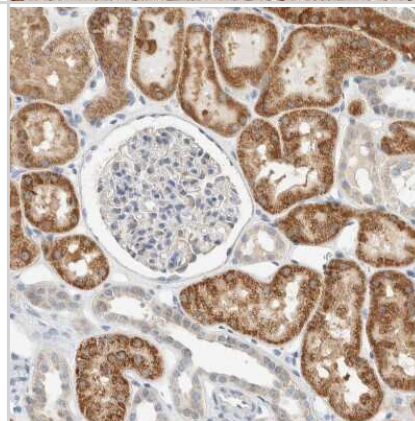
Immunohistochemistry-Paraffin: ALDH7A1 Antibody [NBP1-88908] - Analysis in human kidney and skeletal muscle tissues. Corresponding ALDH7A1 RNA-seq data are presented for the same tissues.



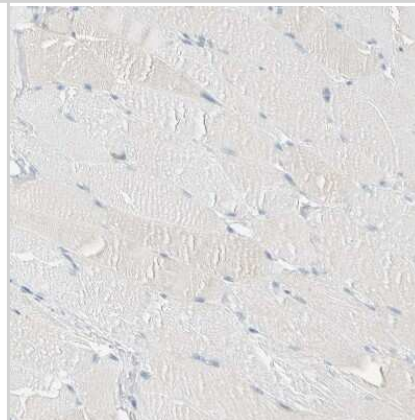
Immunohistochemistry-Paraffin: ALDH7A1 Antibody [NBP1-88908] - Staining of human cerebral cortex shows moderate membranous positivity in microglia.



Immunohistochemistry-Paraffin: ALDH7A1 Antibody [NBP1-88908] - Staining of human kidney shows moderate granular cytoplasmic positivity in cells in tubules.



Immunohistochemistry-Paraffin: ALDH7A1 Antibody [NBP1-88908] - Staining of human skeletal muscle shows no positivity in myocytes as expected.





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### **Products Related to NBP1-88908**

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NBP1-88908PEP	ALDH7A1 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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