

Product Datasheet

ALDH5A1 Antibody - BSA Free NBP1-86996

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: 1

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Updated 12/2/2025 v.20.1

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NBP1-86996

ALDH5A1 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
Target Molecular Weight	57 kDa

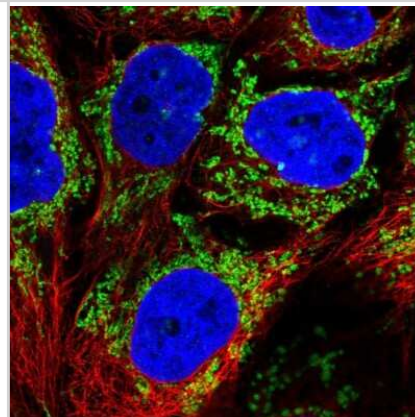
Product Description	
Description	Novus Biologicals Rabbit ALDH5A1 Antibody - BSA Free (NBP1-86996) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. Anti-ALDH5A1 Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	7915
Gene Symbol	ALDH5A1
Species	Human
Reactivity Notes	Reactivity reported in scientific literature (PMID: 24551133)
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: ANSVKRVSMELGGLAPFIVFDSANVDQAVAGAMASKFRNTGQTCVCSNQFLV QRGIHDAFVKAFAMKKNLRVGNGFEEGTTQGPLINEKAVEKVEKQV

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:200 - 1:500, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:200 - 1:500
Application Notes	WB reported in scientific literature (PMID: 24551133). For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF Fixation Permeabilization: Use PFA/Triton X-100.

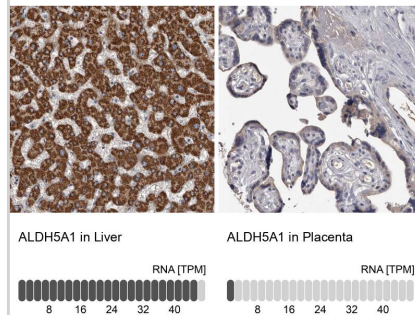


Images

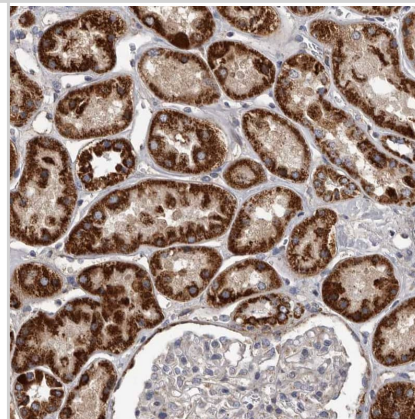
Immunocytochemistry/Immunofluorescence: ALDH5A1 Antibody [NBP1-86996] - Staining of human cell line CACO-2 shows localization to mitochondria. Antibody staining is shown in green.



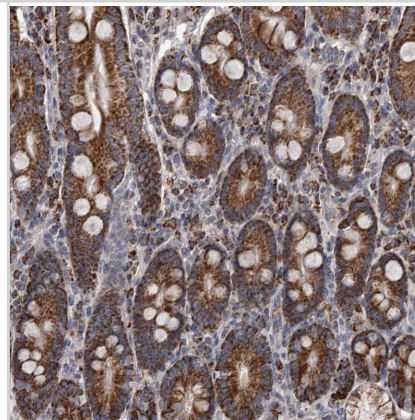
Analysis in human liver and placenta tissues Corresponding ALDH5A1 RNA-seq data are presented for the same tissues.



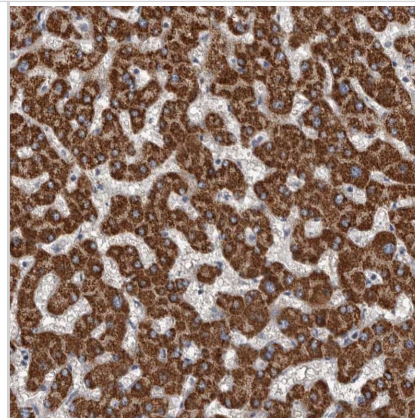
Staining of human kidney shows strong granular cytoplasmic positivity in cells in tubules.



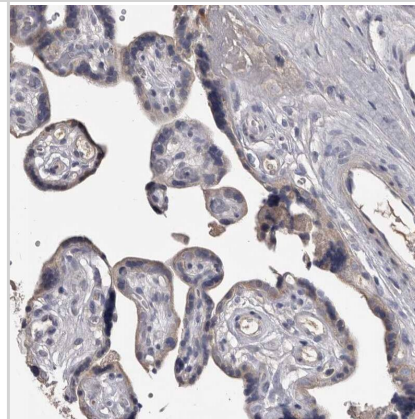
Staining of human duodenum shows strong granular cytoplasmic positivity in glandular cells.



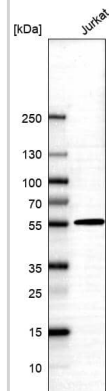
Staining of human liver shows strong granular cytoplasmic positivity in hepatocytes.



Staining of human placenta shows negative to very weak granular cytoplasmic positivity in trophoblastic cells.



Analysis in human cell line Jurkat.



Publications

Ippolito JE, Piwnica-Worms D. A Fluorescence-Coupled Assay for Gamma Aminobutyric Acid (GABA) Reveals Metabolic Stress-Induced Modulation of GABA Content in Neuroendocrine Cancer. PLoS One 2014-01-01 [PMID: 24551133] (WB)



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Products Related to NBP1-86996

NBP1-86996PEP	ALDH5A1 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

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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