

Product Datasheet

ALDH1A2 Antibody - BSA Free NBP1-87158

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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NBP1-87158

ALDH1A2 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

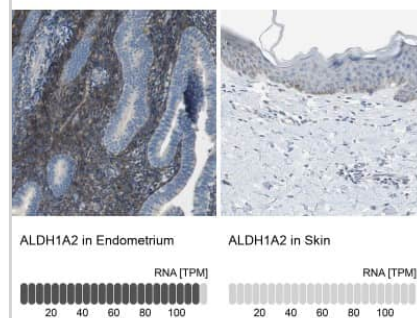
Product Description	
Description	Novus Biologicals Rabbit ALDH1A2 Antibody - BSA Free (NBP1-87158) is a polyclonal antibody validated for use in IHC, WB and Simple Western. Anti-ALDH1A2 Antibody: Cited in 4 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	8854
Gene Symbol	ALDH1A2
Species	Human
Marker	Dorso-temporal Retina Marker
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: VVGSPFDPTTEQGPQIDKKQYNKILELIQSGVAEGAKLECGGKGLGRKGGFFIEP TVFSNVTDDMRIAKEEIFGVPQEILRFKTMDEVIERANNSDFGLVAAVFTNDINK ALTVSSAMQAGTV

Product Application Details	
Applications	Western Blot, Simple Western, Immunohistochemistry-Paraffin, Immunohistochemistry
Recommended Dilutions	Western Blot 0.04-0.4 ug/ml, Simple Western 1:50, Immunohistochemistry 1:200 - 1:500, Immunohistochemistry-Paraffin 1:200 - 1:500
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended. See Simple Western Antibody Database for Simple Western validation: Tested in Wild Type K562 cells, Imatinib Resistant K562 cells, Nilotinib Resistant K562 cells and Dasatinib Resistant K56 cells, separated by Size, antibody dilution of 1:50

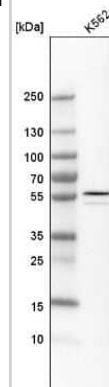


Images

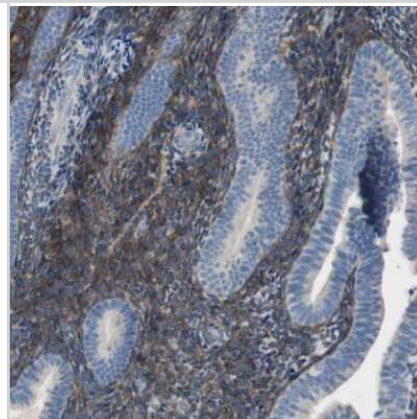
Immunohistochemistry-Paraffin: ALDH1A2 Antibody [NBP1-87158] - Staining in human endometrium and skin tissues . Corresponding ALDH1A2 RNA-seq data are presented for the same tissues.



Western Blot: ALDH1A2 Antibody [NBP1-87158] - Analysis in human cell line K562.



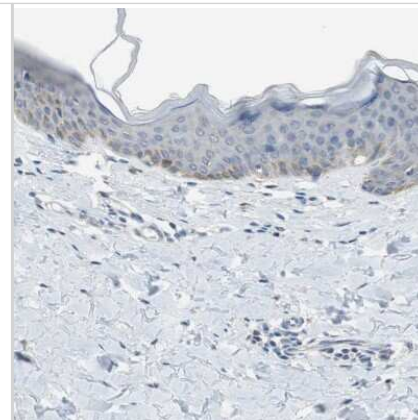
Immunohistochemistry-Paraffin: ALDH1A2 Antibody [NBP1-87158] - Staining of human endometrium shows moderate to strong cytoplasmic positivity in cells in endometrial stroma.



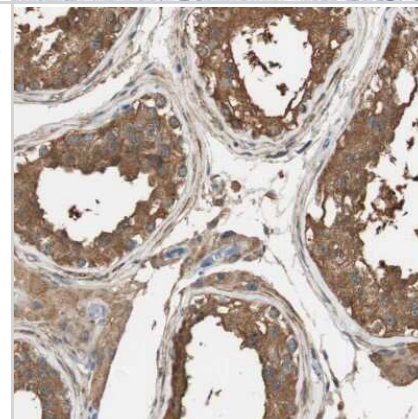
Immunohistochemistry-Paraffin: ALDH1A2 Antibody [NBP1-87158] - Staining of human fallopian tube shows moderate to strong cytoplasmic positivity in glandular cells.



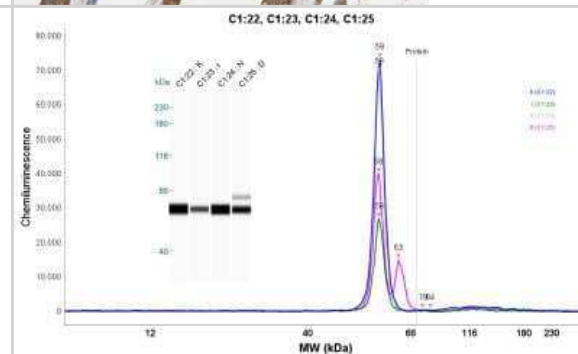
Immunohistochemistry-Paraffin: ALDH1A2 Antibody [NBP1-87158] - Staining of human skin shows weak cytoplasmic positivity in a subset of keratinocytes.



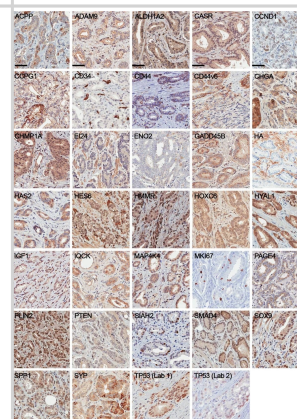
Immunohistochemistry-Paraffin: ALDH1A2 Antibody [NBP1-87158] - Staining of human testis shows moderate to strong cytoplasmic positivity in cells in seminiferous ducts.



Simple Western: ALDH1A2 Antibody [NBP1-87158] - Detection of ALDH1A2 in K562 cells using ALDH1A2 antibody at a dilution of 1:50. K (lane 1) = Wild Type K562, I (lane 2) = Imatinib Resistant K562, N (lane 3) = Nilotinib Resistant K562 and D (lane 4) = Dasatinib Resistant K562. Image submitted by a verified customer review.



Immunohistochemistry of candidate biomarkers in prostate cancer. Representative immunohistochemical staining of ACPP, ADAM9, ALDH1A2, CASR, CCND1, CCPG1, CD34, CD44, CD44v6, CHGA, CHMP1A, EI24, ENO2, GADD45B, HA, HAS2, HES6, HMMR, HOXC6, HYAL1, IGF1, IQCK, MAP4K4, MKI67, PAGE4, PLIN2, PTEN, SIAH2, SMAD4, SOX9, SPP1, SYP, & TP53 from prostate cancer tissue microarrays. Scale bar represents 50 μ m. Image collected & cropped by CiteAb from the following publication (<https://bmccancer.biomedcentral.com/articles/10.1186/1471-2407-14-244>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Publications

Seidensaal K, Nollert A, Feige AH et al. Impaired aldehyde dehydrogenase 1 subfamily member 2A-dependent retinoic acid signaling is related with a mesenchymal-like phenotype and an unfavorable prognosis of head and neck squamous cell carcinoma. *Mol Cancer* 2015-12-03 [PMID: 26634247] (IF/IHC, Human)

Harper AR, Wiechmann AF, Moiseyev G et al. Identification of Active Retinaldehyde Dehydrogenase Isoforms in the Postnatal Human Eye. *PLoS One* 2015-01-01 [PMID: 25793304] (WB, IF/IHC, Human)

Rizzardi AE, Rosener NK, Koopmeiners JS et al. Evaluation of protein biomarkers of prostate cancer aggressiveness. *BMC Cancer* 2014-04-05 [PMID: 24708576] (IF/IHC, Human)

Kostareli E, Holzinger D, Bogatyrova O et al. HPV-related methylation signature predicts survival in oropharyngeal squamous cell carcinomas. *J Clin Invest* 2013-06-01 [PMID: 23635773]





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Products Related to NBP1-87158

NBP1-87158PEP	ALDH1A2 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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