

Product Datasheet

ALDH4A1 Antibody (1A12-A5) - Azide and BSA Free H00008659-M01

Unit Size: 0.1 mg

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

www.novusbio.com



technical@novusbio.com

Publications: 1

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
www.novusbio.com/H00008659-M01

Updated 2/21/2025 v.20.1

Earn rewards for product
reviews and publications.

Submit a publication at www.novusbio.com/publications

Submit a review at www.novusbio.com/reviews/destination/H00008659-M01



H00008659-M01

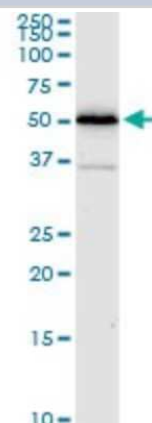
ALDH4A1 Antibody (1A12-A5) - Azide and BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	1A12-A5
Preservative	No Preservative
Isotype	IgG1 Kappa
Purity	IgG purified
Buffer	In 1x PBS, pH 7.4
Product Description	
Description	Quality control test: Antibody Reactive Against Recombinant Protein.
Host	Mouse
Gene ID	8659
Gene Symbol	ALDH4A1
Species	Human
Specificity/Sensitivity	ALDH4A1 - aldehyde dehydrogenase 4 family, member A1
Immunogen	ALDH4A1 (AAH07581, 1 a.a. ~ 563 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. MLLPAPALRRALLSRPWTGAGLRWKHTSSLKVANEPVLAFTQGSPERDALQK ALKDLKGRMEAIPCVVGDEEVWTSVDVQYQVSPFNHGHKVAKFCYADKSLLNK AIEAALAARKEWDLKPIADRAQIFLKAADMLSGPRRAEILAKTMVGQGKTIVIAE IDAAAEELIDFFRFNAKYAVELEGQQPISVPPSTNSTVYRGLEGFVAAISPFNFTAI GGNLAGAPALMGNVVLWKPSDTAMLASYAVYRILREAGLPPNIIQFVPADGPLF GDTVTSSEHLCGINFTGSVPTFKHLWKQVAQNLDRLFHTFPRLAGECGGKNFHF VHRSADVESVSGTLRSAFEYGGQKCSACSRLYVPHSLWPQIKGRLLLEEHSRI KVGDPADFEGTFFSAVIDAKSFARIKKWLEHARSSPSLTILAGGKCDDSVGYFV EPCIVESKDPQEPIMKEEIFGPVLSVYVYPDDKYKETLQLIDSTTSYGLTGAVFS QDKDVVQEATKVLRNAAGNFYINDKSTGSIVGQQPFGGARASGTNDKPGGPH YILRWTSPQVIKETHKPLGDWSYAYMQ
Notes	This product is produced by and distributed for Abnova, a company based in Taiwan.
Product Application Details	
Applications	Western Blot, ELISA, Immunohistochemistry, Immunohistochemistry-Paraffin, Sandwich ELISA
Recommended Dilutions	Western Blot, ELISA, Immunohistochemistry, Immunohistochemistry-Paraffin, Sandwich ELISA
Application Notes	Antibody reactivity against cell lysate and recombinant protein for WB. It has also been used for IHC-P and ELISA.

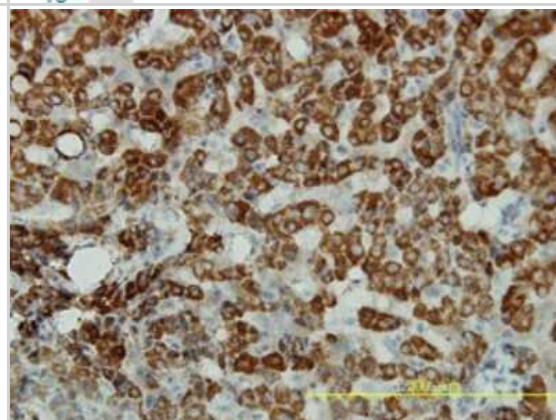


Images

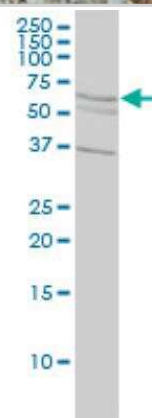
Western Blot: ALDH4A1 Antibody (1A12-A5) [H00008659-M01] - ALDH4A1 monoclonal antibody (M01), clone 1A12-A5. Analysis of ALDH4A1 expression in A-431.



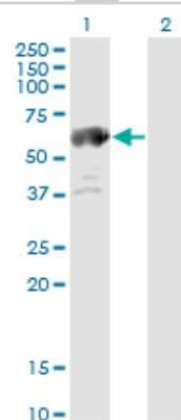
Immunohistochemistry-Paraffin: ALDH4A1 Antibody (1A12-A5) [H00008659-M01] - Analysis of monoclonal antibody to ALDH4A1 on formalin-fixed paraffin-embedded human liver tissue. Antibody concentration 5 ug/ml.



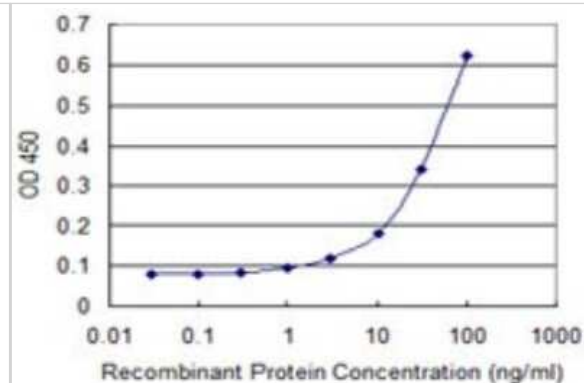
Western Blot: ALDH4A1 Antibody (1A12-A5) [H00008659-M01] - ALDH4A1 expression in Hela (Cat # L013V1).



Western Blot: ALDH4A1 Antibody (1A12-A5) [H00008659-M01] - Analysis of ALDH4A1 expression in transfected 293T cell line by ALDH4A1 monoclonal antibody (M01), clone 1A12-A5. Lane 1: ALDH4A1 transfected lysate (61.7 KDa). Lane 2: Non-transfected lysate.



Sandwich ELISA: ALDH4A1 Antibody (1A12-A5) [H00008659-M01] - Detection limit for recombinant GST tagged ALDH4A1 is approximately 0.1ng/ml as a capture antibody.



Publications

Perez-Deben S, Gonzalez-Martin R, Palomar A et al. ALDH4A1 expression levels are elevated in postmortem brains of patients with schizophrenia and are associated with genetic variants in enzymes related to proline metabolism. J Psychiatr Res. 2020-01-28 [PMID: 32065947]

**Novus Biologicals USA**

10730 E. Briarwood Avenue
Centennial, CO 80112
USA
Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
nb-customerservice@bio-techne.com

Bio-Techne Canada

21 Canmotor Ave
Toronto, ON M8Z 4E6
Canada
Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada.inquires@bio-techne.com

Bio-Techne Ltd

19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom
Phone: (44) (0) 1235 529449
Free Phone: 0800 37 34 15
Fax: (44) (0) 1235 533420
info.EMEA@bio-techne.com

General Contact Information

www.novusbio.com
Technical Support: nb-technical@bio-techne.com
Orders: nb-customerservice@bio-techne.com
General: novus@novusbio.com

Products Related to H00008659-M01

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)
H00008659-P01-10ug	Recombinant Human ALDH4A1 GST (N-Term) Protein

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.

For more information on our 100% guarantee, please visit www.novusbio.com/guarantee

Earn gift cards/discounts by submitting a review: www.novusbio.com/reviews/submit/H00008659-M01

Earn gift cards/discounts by submitting a publication using this product:
www.novusbio.com/publications

