

Product Datasheet

Aldehyde Dehydrogenase 1-A1/ALDH1A1 Antibody NB100-787

Unit Size: 0.1 mg

Store at -20C. Avoid freeze-thaw cycles.

www.novusbio.com



technical@novusbio.com

Publications: 5

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
www.novusbio.com/NB100-787

Updated 9/9/2025 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/NB100-787



NB100-787**Aldehyde Dehydrogenase 1-A1/ALDH1A1 Antibody**

| Product Information | |
|----------------------------|--|
| Unit Size | 0.1 mg |
| Concentration | 0.5 mg/ml |
| Storage | Store at -20C. Avoid freeze-thaw cycles. |
| Clonality | Polyclonal |
| Preservative | 0.02% Sodium Azide |
| Isotype | IgG |
| Purity | Immunogen affinity purified |
| Buffer | Tris saline (20 mM Tris pH 7.3, 150 mM NaCl), 0.5% BSA |

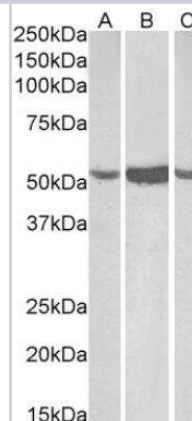
| Product Description | |
|--------------------------------|--|
| Description | Novus Biologicals Goat Aldehyde Dehydrogenase 1-A1/ALDH1A1 Antibody (NB100-787) is a polyclonal antibody validated for use in IHC, WB, ELISA and ICC/IF. Anti-Aldehyde Dehydrogenase 1-A1/ALDH1A1 Antibody: Cited in 5 publications. All Novus Biologicals antibodies are covered by our 100% guarantee. |
| Host | Goat |
| Gene ID | 216 |
| Gene Symbol | ALDH1A1 |
| Species | Human, Mouse, Rat |
| Marker | Astrocyte Marker |
| Specificity/Sensitivity | This antibody may cross-react with ALDH1A2 (GeneID 8854) with one residue difference from this design, and with ALDH2 (GeneID 217) with two residues difference from this design. |
| Immunogen | Peptide with sequence C-EVKTVTVKISQKNS corresponding to C-Terminus according to NP_000680.2. |

| Product Application Details | |
|------------------------------------|---|
| Applications | Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Peptide ELISA |
| Recommended Dilutions | Western Blot 0.1-0.3 ug/ml, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 10 ug/ml, Peptide ELISA detection limit 1:1000 |
| Application Notes | WB: Approx 55 kDa band observed in human, mouse and rat liver lysates (calculated MW of 54.9 kDa according to NP_000680.2). IHC: successful usage on mouse Peyer's patches is reported in scientific literature (PMID: 15485630). |

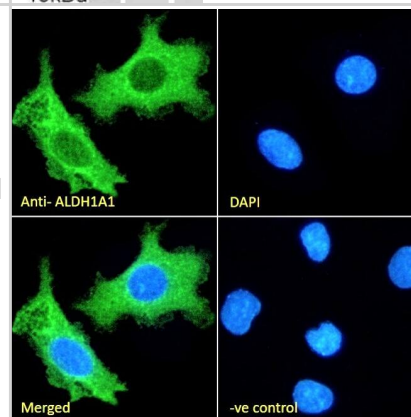


Images

Western Blot: Aldehyde Dehydrogenase 1-A1/ALDH1A1 Antibody [NB100-787] - Staining of human (A), mouse (B) and rat (C) liver lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



Immunocytochemistry/Immunofluorescence: Aldehyde Dehydrogenase 1 -A1/ALDH1A1 Antibody [NB100-787] - Immunofluorescence analysis of paraformaldehyde fixed HepG2 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



Publications

Kim D, Ahn J, Suh Y et al. Retinol Binding Protein 7 Promotes Adipogenesis in vitro and Regulates Expression of Genes Involved in Retinol Metabolism *Frontiers in Cell and Developmental Biology* [PMID: 35493071] (WB, Mouse)

Eminel S, Jin N, Rostami M et al. Dimethyl- and monomethylfumarate regulate indolamine 2,3-dioxygenase (IDO) activity in human immune cells *Exp. Dermatol.* 2016-07-04 [PMID: 27376248] (WB, Mouse)

Zheng CF, Wang TT, Weiner H. Cloning and expression of the full-length cDNAs encoding human liver class 1 and class 2 aldehyde dehydrogenase. *Alcohol Clin Exp Res* 1993-08-01 [PMID: 8214422]

Iwata M, Hirakiyama A, Eshima Y et al. Retinoic acid imprints gut-homing specificity on T cells. *Immunity* 2004-10-01 [PMID: 15485630]

Fishman-Jacob T, Reznichenko L, Youdim MB, et al. A sporadic Parkinson disease model via silencing of the ubiquitin-proteasome/E3 ligase component SKP1A *J Biol Chem* 2009-11-01 [PMID: 19748892]



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 NB100-787

| | |
|-----------------|--|
| NB800-PC6 | 293 Whole Cell Lysate |
| NBP2-33376H | Blue Marker Antibody (6F4-F6) [HRP] |
| HAF017 | Rabbit anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)] |
| HAF109 | Donkey anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)] |
| NB410-28088-1mg | Goat 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.

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/NB100-787

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



