

# Product Datasheet

## Aldehyde Dehydrogenase 1-A1/ALDH1A1 Antibody NBP2-15336

Unit Size: 0.1 ml

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

[www.novusbio.com](http://www.novusbio.com)



[technical@novusbio.com](mailto:technical@novusbio.com)

### Publications: 3

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:  
[www.novusbio.com/NBP2-15336](http://www.novusbio.com/NBP2-15336)

Updated 10/23/2024 v.20.1

Earn rewards for product  
reviews and publications.

Submit a publication at [www.novusbio.com/publications](http://www.novusbio.com/publications)

Submit a review at [www.novusbio.com/reviews/destination/NBP2-15336](http://www.novusbio.com/reviews/destination/NBP2-15336)



**NBP2-15336****Aldehyde Dehydrogenase 1-A1/ALDH1A1 Antibody**

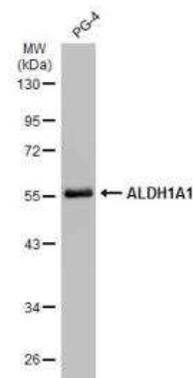
Product Information	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.01% Thimerosal
<b>Isotype</b>	IgG
<b>Purity</b>	Antigen Affinity-purified
<b>Buffer</b>	PBS, 1% BSA, 20% Glycerol
<b>Target Molecular Weight</b>	55 kDa

Product Description	
<b>Host</b>	Rabbit
<b>Gene ID</b>	216
<b>Gene Symbol</b>	ALDH1A1
<b>Species</b>	Human, Mouse, Rat, Feline, Zebrafish
<b>Reactivity Notes</b>	Cat (100%), Xenopus laevis (81%), Chicken (86%).
<b>Marker</b>	Astrocyte Marker
<b>Immunogen</b>	Recombinant protein encompassing a sequence within the center region of human Aldehyde Dehydrogenase 1-A1/ALDH1A1. The exact sequence is proprietary.

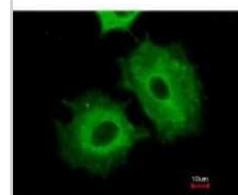
Product Application Details	
<b>Applications</b>	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunohistochemistry Whole-Mount
<b>Recommended Dilutions</b>	Western Blot 1:5000-1:20000, Immunohistochemistry 1:100-1:1000, Immunocytochemistry/ Immunofluorescence 1:100-1:1000, Immunohistochemistry-Paraffin 1:100-1:1000, Immunohistochemistry Whole-Mount Assay dependent

**Images**

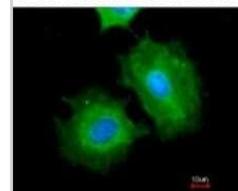
Western Blot: Aldehyde Dehydrogenase 1-A1/ALDH1A1 Antibody [NBP2-15336] - PG-4 whole cell extract (30 ug) was separated by 10% SDS-PAGE, and the membrane was blotted with ALDH1A1 antibody diluted at 1:10000. The HRP-conjugated anti-rabbit IgG antibody (NBP2-19301) was used to detect the primary antibody.



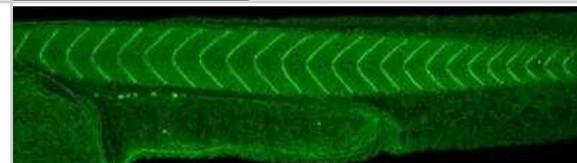
Immunocytochemistry/Immunofluorescence: Aldehyde Dehydrogenase 1-A1/ALDH1A1 Antibody [NBP2-15336] - Analysis of methanol-fixed A549, using antibody at 1:500 dilution.



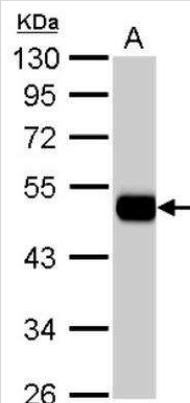
Costained with Hoechst 33342



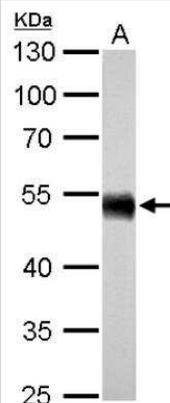
Immunohistochemistry Whole-Mount: Aldehyde Dehydrogenase 1-A1/ALDH1A1 Antibody [NBP2-15336] - ALDH1A1 antibody detects Aldh1a2 protein on whole-mount zebrafish embryos by immunohistochemical analysis. Sample: Paraformaldehyde-fixed zebrafish embryos. ALDH1A1 antibody dilution: 1:200.



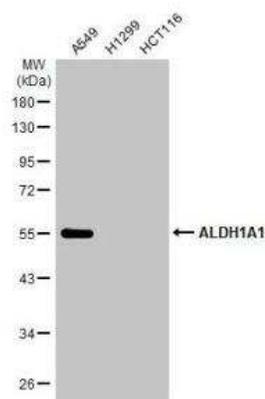
Western Blot: Aldehyde Dehydrogenase 1-A1/ALDH1A1 Antibody [NBP2-15336] - Detects ALDH1A1 protein by Western blot analysis. A. 50 ug rat liver lysate/extract 10 % SDS-PAGE Dilution: 1:5000



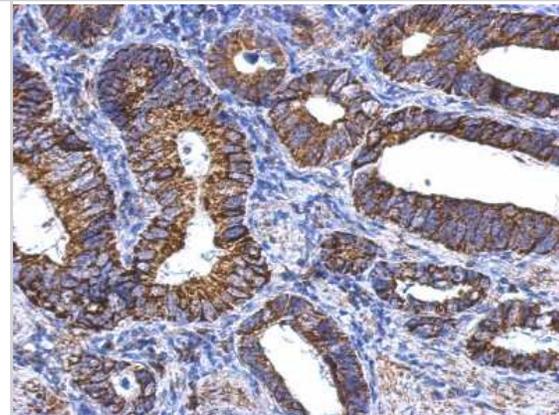
Western Blot: Aldehyde Dehydrogenase 1-A1/ALDH1A1 Antibody [NBP2-15336] - Detects ALDH1A1 protein by Western blot analysis. A. 50 ug mouse liver lysate/extract 10 % SDS-PAGE Dilution: 1:5000



**Western Blot: Aldehyde Dehydrogenase 1-A1/ALDH1A1 Antibody [NBP2-15336]** - Various whole cell extracts (30 ug) were separated by 10% SDS-PAGE, and the membrane was blotted with ALDH1A1 antibody diluted at 1:10000. The HRP-conjugated anti-rabbit IgG antibody (NBP2-19301) was used to detect the primary antibody.



**Immunohistochemistry-Paraffin: Aldehyde Dehydrogenase 1-A1/ALDH1A1 Antibody [NBP2-15336]** - Human gastric cancer, using ALDH1A1 antibody at 1:500 dilution. Antigen Retrieval: Trilogy™ (EDTA based, pH 8.0) buffer, 15min.



## Publications

Zhang D, Hao W, Li X et al. Aldh1a1 and Scl25a30 in diaphragmatic dysfunction *Experimental biology and medicine* (Maywood, N.J.) 2022-04-11 [PMID: 35410502]

Dominguez C, McCampbell KK, David JM, Palena C. Neutralization of IL-8 decreases tumor PMN-MDSCs and reduces mesenchymalization of claudin-low triple-negative breast cancer *JCI Insight*. 2017-11-02 [PMID: 29093275] (IF/IHC, Mouse)

Choi SA, Lee JY, Phi JH et al. Identification of brain tumour initiating cells using the stem cell marker aldehyde dehydrogenase. *Eur J Cancer*. 2013-10-05 [PMID: 24103144] (IF/IHC, ICC/IF, Mouse, Human)



### **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 NBP2-15336**

---

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP1-89152PEP	Aldehyde Dehydrogenase 1-A1/ALDH1A1 Recombinant Protein Antigen

---

### **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](http://www.novusbio.com/guarantee)

Earn gift cards/discounts by submitting a review: [www.novusbio.com/reviews/submit/NBP2-15336](http://www.novusbio.com/reviews/submit/NBP2-15336)

Earn gift cards/discounts by submitting a publication using this product:  
[www.novusbio.com/publications](http://www.novusbio.com/publications)

