

# Product Datasheet

## ALDH2 Antibody (4G6A3) - BSA Free NBP2-37397

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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



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

### Publications: 1

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:  
[www.novusbio.com/NBP2-37397](http://www.novusbio.com/NBP2-37397)

Updated 9/9/2025 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/NBP2-37397](http://www.novusbio.com/reviews/destination/NBP2-37397)



**NBP2-37397**

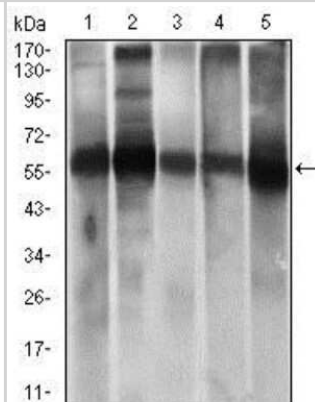
ALDH2 Antibody (4G6A3) - BSA Free

<b>Product Information</b>	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	1 mg/ml
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	4G6A3
<b>Preservative</b>	0.05% Sodium Azide
<b>Isotype</b>	IgG1
<b>Purity</b>	Protein G purified
<b>Buffer</b>	PBS
<b>Target Molecular Weight</b>	56.3 kDa
<b>Product Description</b>	
<b>Description</b>	Novus Biologicals Mouse ALDH2 Antibody (4G6A3) - BSA Free (NBP2-37397) is a monoclonal antibody validated for use in IHC, WB, ELISA, Flow and ICC/IF. Anti-ALDH2 Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Mouse
<b>Gene ID</b>	217
<b>Gene Symbol</b>	ALDH2
<b>Species</b>	Human, Mouse, Rat
<b>Reactivity Notes</b>	Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Additional Mouse on Mouse blocking steps may be required for IHC and ICC experiments. Please contact Technical Support for more information.
<b>Immunogen</b>	Purified recombinant fragment of human ALDH2 (AA: 317-517) expressed in E. Coli.
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, ELISA, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, CyTOF-ready
<b>Recommended Dilutions</b>	Western Blot 1:500 - 1:2000, Flow Cytometry 1:200 - 1:400, ELISA 1:10000, Immunohistochemistry 1:200 - 1:1000, Immunocytochemistry/ Immunofluorescence 1:75, Immunohistochemistry-Paraffin 1:200 - 1:1000, CyTOF-ready
<b>Application Notes</b>	This antibody is Cytof ready.

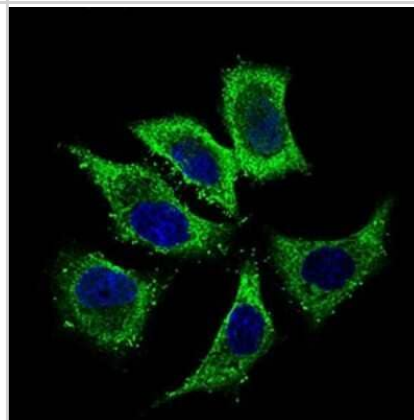


## Images

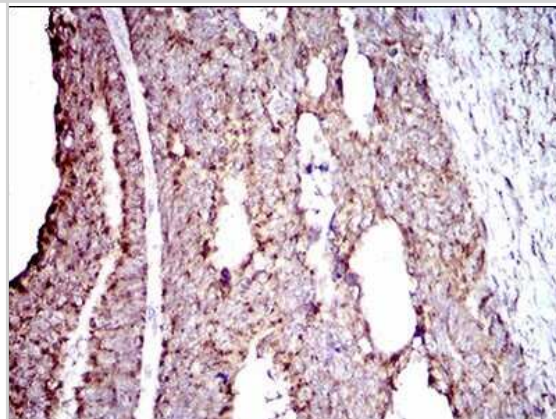
Western Blot: ALDH2 Antibody (4G6A3) [NBP2-37397] - Western blot analysis using ALDH2 mouse mAb against HepG2 (1), A549 (2) cell lysate, and Rat liver (3), Mouse liver (4), Mouse brain (5) tissue lysate.



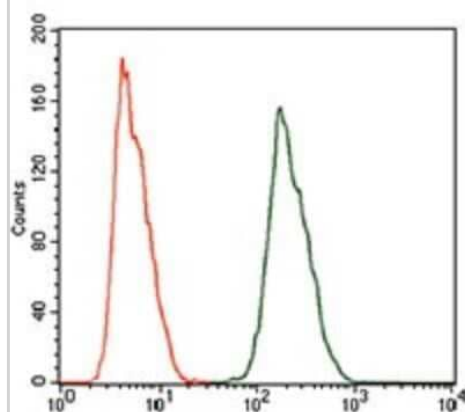
Immunocytochemistry/Immunofluorescence: ALDH2 Antibody (4G6A3) [NBP2-37397] - Immunofluorescence analysis of HepG2 cells using ALDH2 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye.



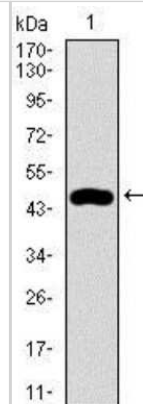
Immunohistochemistry: ALDH2 Antibody (4G6A3) [NBP2-37397] - Immunohistochemical analysis of paraffin-embedded rectum cancer tissues using ALDH2 mouse mAb with DAB staining.



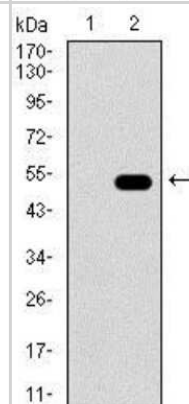
Flow Cytometry: ALDH2 Antibody (4G6A3) [NBP2-37397] - Flow cytometric analysis of HeLa cells using ALDH2 mouse mAb (green) and negative control (red).



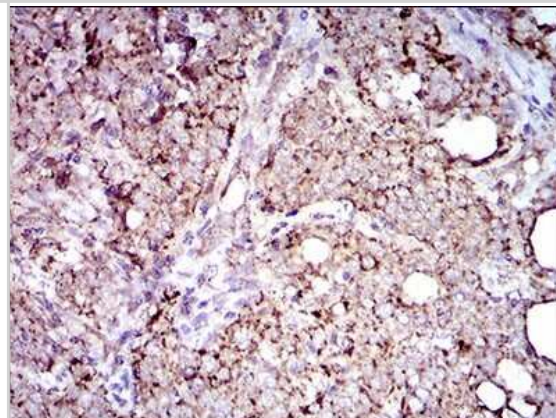
Western Blot: ALDH2 Antibody (4G6A3) [NBP2-37397] - Western blot analysis using ALDH2 mAb against human ALDH2 recombinant protein. (Expected MW is 47.4 kDa)



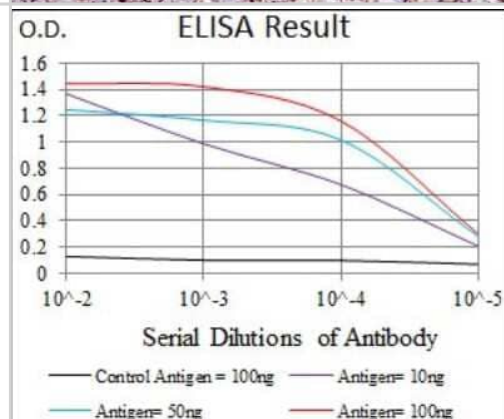
Western Blot: ALDH2 Antibody (4G6A3) [NBP2-37397] - Western blot analysis using ALDH2 mAb against HEK293 (1) and ALDH2 (AA: 317-517)-hlgGfc transfected HEK293 (2) cell lysate.



Immunohistochemistry: ALDH2 Antibody (4G6A3) [NBP2-37397] - Immunohistochemical analysis of paraffin-embedded cervical cancer tissues using ALDH2 mouse mAb with DAB staining.



ELISA: ALDH2 Antibody (4G6A3) [NBP2-37397] - Red: Control Antigen (100ng); Purple: Antigen (10ng); Green: Antigen (50ng); Blue: Antigen (100ng);



## Publications

Flor A, Wolfgeher D, Li J et al. Lipid-derived electrophiles mediate the effects of chemotherapeutic topoisomerase I poisons Cell chemical biology 2020-12-16 [PMID: 33352117]



### **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 NBP2-37397**

---

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)

---

### **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/NBP2-37397](http://www.novusbio.com/reviews/submit/NBP2-37397)

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

