

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.

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NBP2-37397

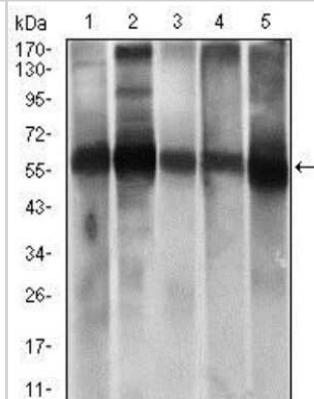
ALDH2 Antibody (4G6A3) - BSA Free

Product Information	
Unit Size	0.1 ml
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	4G6A3
Preservative	0.05% Sodium Azide
Isotype	IgG1
Purity	Protein G purified
Buffer	PBS
Target Molecular Weight	56.3 kDa
Product Description	
Host	Mouse
Gene ID	217
Gene Symbol	ALDH2
Species	Human, Mouse, Rat
Reactivity Notes	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.
Immunogen	Purified recombinant fragment of human ALDH2 (AA: 317-517) expressed in E. Coli.
Product Application Details	
Applications	Western Blot, ELISA, Flow Cytometry, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, CyTOF-ready
Recommended Dilutions	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
Application Notes	This antibody is Cytof ready.

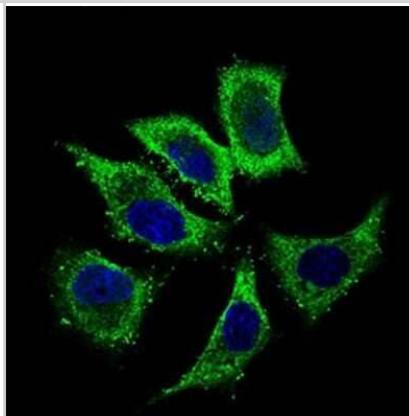


Images

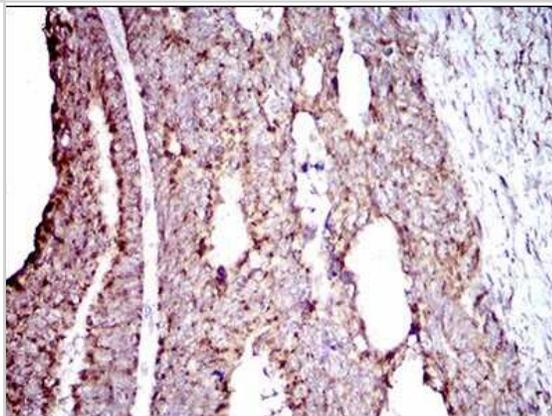
Western Blot: ALDH2 Antibody (4G6A3) [NBP2-37397] - Western blot analysis using ALDH2 mouse mAb against HepG2 (1), A549 (2) cell lysate, and Rat liver (3), Mouse liver (4), Mouse brain (5) tissue lysate.



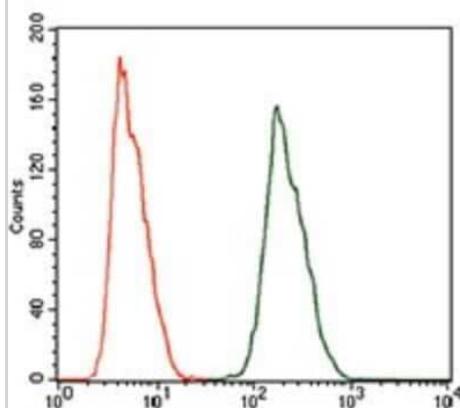
Immunocytochemistry/Immunofluorescence: ALDH2 Antibody (4G6A3) [NBP2-37397] - Immunofluorescence analysis of HepG2 cells using ALDH2 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye.



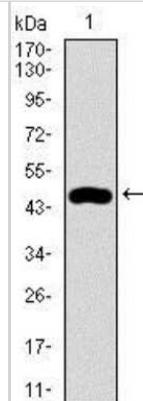
Immunohistochemistry: ALDH2 Antibody (4G6A3) [NBP2-37397] - Immunohistochemical analysis of paraffin-embedded rectum cancer tissues using ALDH2 mouse mAb with DAB staining.



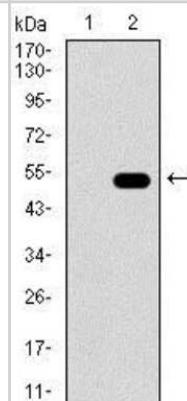
Flow Cytometry: ALDH2 Antibody (4G6A3) [NBP2-37397] - Flow cytometric analysis of HeLa cells using ALDH2 mouse mAb (green) and negative control (red).



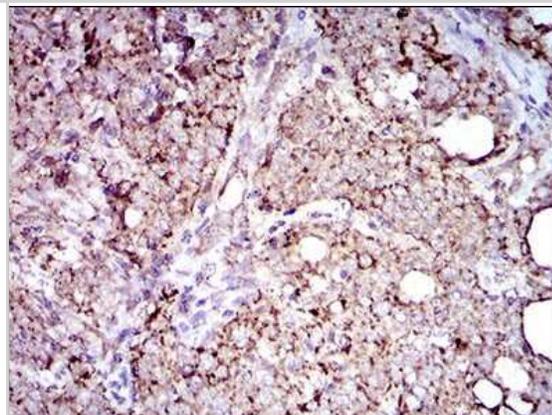
Western Blot: ALDH2 Antibody (4G6A3) [NBP2-37397] - Western blot analysis using ALDH2 mAb against human ALDH2 recombinant protein. (Expected MW is 47.4 kDa)



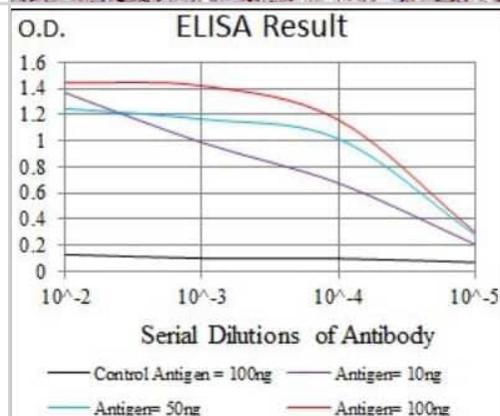
Western Blot: ALDH2 Antibody (4G6A3) [NBP2-37397] - Western blot analysis using ALDH2 mAb against HEK293 (1) and ALDH2 (AA: 317-517)-hlgGFc transfected HEK293 (2) cell lysate.



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

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)
NBC1-19053	Recombinant Human ALDH2 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.

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