

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.

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

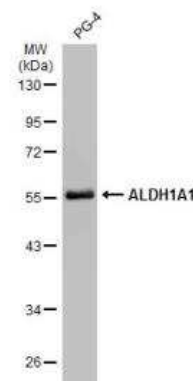
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.01% Thimerosal
Isotype	IgG
Purity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

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

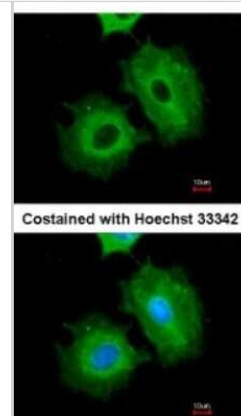
Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunohistochemistry Whole-Mount
Recommended Dilutions	Western Blot 1:5000-1:20000, Immunohistochemistry 1:100-1:1000, Immunocytochemistry/ Immunofluorescence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

Images

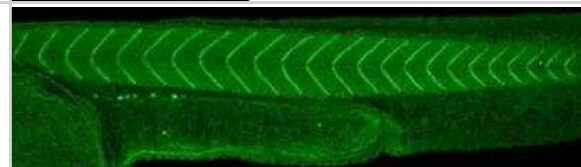
Western Blot: Aldehyde Dehydrogenase 1-A1/ALDH1A1 Antibody [NBP2-15336] - PG-4 whole cell extract (30 ug) was separated by 10% SDS-PAGE, and the membrane was blotted with ALDH1A1 antibody diluted at 1:10000. The HRP-conjugated anti-rabbit IgG antibody (NBP2-19301) was used to detect the primary antibody.



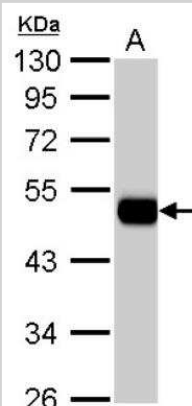
Immunocytochemistry/Immunofluorescence: Aldehyde Dehydrogenase 1-A1/ALDH1A1 Antibody [NBP2-15336] - Analysis of methanol-fixed A549, using antibody at 1:500 dilution.



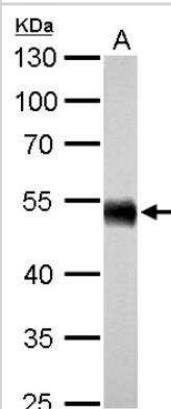
Immunohistochemistry Whole-Mount: Aldehyde Dehydrogenase 1-A1/ALDH1A1 Antibody [NBP2-15336] - ALDH1A1 antibody detects Aldh1a2 protein on whole-mount zebrafish embryos by immunohistochemical analysis. Sample: Paraformaldehyde-fixed zebrafish embryos. ALDH1A1 antibody dilution: 1:200.



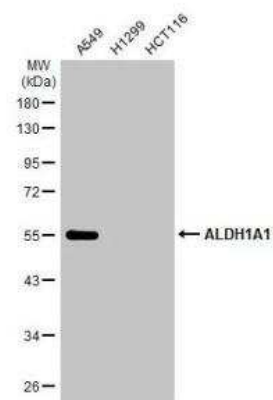
Western Blot: Aldehyde Dehydrogenase 1-A1/ALDH1A1 Antibody [NBP2-15336] - Detects ALDH1A1 protein by Western blot analysis. A. 50 ug rat liver lysate/extract 10 % SDS-PAGE Dilution: 1:5000



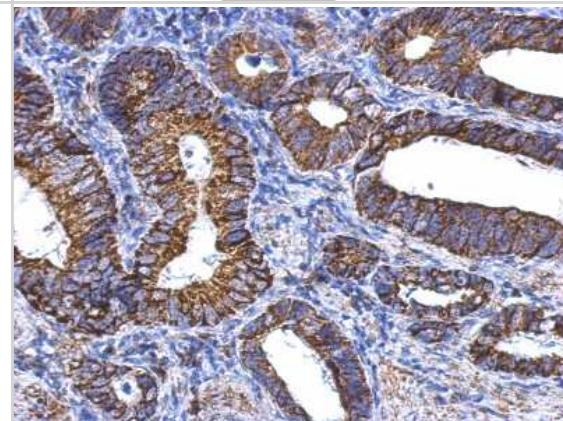
Western Blot: Aldehyde Dehydrogenase 1-A1/ALDH1A1 Antibody [NBP2-15336] - Detects ALDH1A1 protein by Western blot analysis. A. 50 ug mouse liver lysate/extract 10 % SDS-PAGE Dilution: 1:5000



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)



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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.

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