

Product Datasheet

ALDH2 Antibody (1E5) - Azide and BSA Free H00000217-M01

Unit Size: 0.1 mg

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

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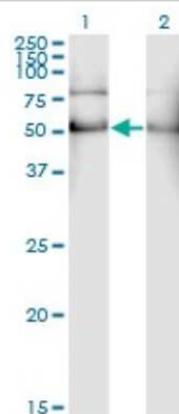
H00000217-M01

ALDH2 Antibody (1E5) - Azide and BSA Free

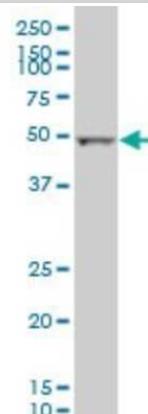
Product Information	
Unit Size	0.1 mg
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	1E5
Preservative	No Preservative
Isotype	IgG2a Kappa
Purity	IgG purified
Buffer	In 1x PBS, pH 7.4
Product Description	
Description	Quality control test: Antibody Reactive Against Recombinant Protein.
Host	Mouse
Gene ID	217
Gene Symbol	ALDH2
Species	Human, Mouse
Specificity/Sensitivity	ALDH2 - aldehyde dehydrogenase 2 family (mitochondrial)
Immunogen	ALDH2 (AAH02967, 408 a.a. ~ 517 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. DGMTIAKEEIFGPVMQILKFKTIEEVVGRANNSTYGLAAAVFTKDLDKANYLSQA LQAGTVWVNCYDVFGAQSPFGGYKMSGSGRELGEYGLQAYTEVKTVTVKVP QKNS
Notes	This product is produced by and distributed for Abnova, a company based in Taiwan.
Product Application Details	
Applications	Western Blot, ELISA
Recommended Dilutions	Western Blot 1:500, ELISA
Application Notes	Antibody reactivity against cell lysate and recombinant protein for WB. It has also been used for ELISA.

Images

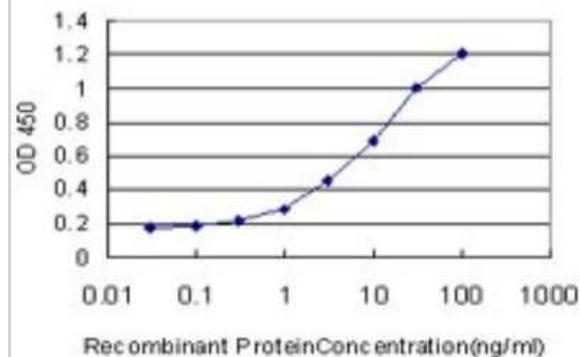
Western Blot: ALDH2 Antibody (1E5) [H00000217-M01] - Analysis of ALDH2 expression in transfected 293T cell line by ALDH2 monoclonal antibody (M01), clone 1E5. Lane 1: ALDH2 transfected lysate(56.4 KDa). Lane 2: Non-transfected lysate.



Western Blot: ALDH2 Antibody (1E5) [H00000217-M01] - ALDH2 monoclonal antibody (M01), clone 1E5 Analysis of ALDH2 expression in MCF-7.



ELISA: ALDH2 Antibody (1E5) [H00000217-M01] - Detection limit for recombinant GST tagged ALDH2 is approximately 0.3ng/ml as a capture antibody.



Publications

Xu L, Han S, Chen Z et al. Increase of Oxidative Stress by Deficiency of The ALDH2/UCP2/Nrf2 Axis Exacerbates Cardiac Dysfunction in Chronic Kidney Disease Reviews in Cardiovascular Medicine 2022-04-02

Kitamura H, Ito M, Yuasa T et al. Genome-wide identification and characterization of transcripts translationally regulated by bacterial lipopolysaccharide in macrophage-like J774.1 cells. *Physiol Genomics* 2008-01-29 [PMID: 18230670]

Jeon J, Jeong JH, Baek JH et al. Network Clustering Revealed the Systemic Alterations of Mitochondrial Protein Expression. *PLoS Comput Biol* 2011-06-30 [PMID: 21738461]

Ichikawa H, Kanda T, Kosugi SI et al. Laser Microdissection and Two-Dimensional Difference Gel Electrophoresis Reveal the Role of a Novel Macrophage-Capping Protein in Lymph Node Metastasis in Gastric Cancer. *J Proteome Res.* 2013-07-09 [PMID: 23782053]



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Products Related to H0000217-M01

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-96981-0.5mg	Mouse IgG2a Kappa Isotype Control (M2AK)
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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