

Product Datasheet

Lactate Dehydrogenase B Antibody (2H6) - Azide and BSA Free H00003945-M01

Unit Size: 0.1 mg

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

www.novusbio.com



technical@novusbio.com

Publications: 7

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
www.novusbio.com/H00003945-M01

Updated 2/21/2025 v.20.1

Earn rewards for product reviews and publications.

Submit a publication at www.novusbio.com/publications

Submit a review at www.novusbio.com/reviews/destination/H00003945-M01



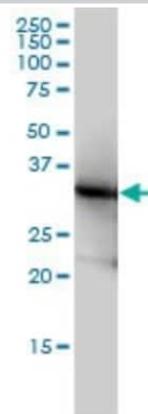
H00003945-M01

Lactate Dehydrogenase B Antibody (2H6) - Azide and BSA Free

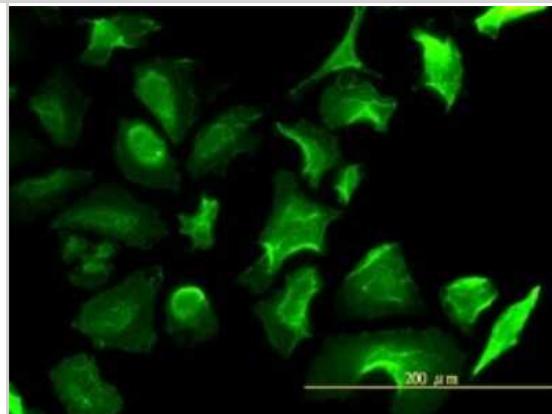
Product Information	
Unit Size	0.1 mg
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	2H6
Preservative	No Preservative
Isotype	IgG1 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	3945
Gene Symbol	LDHB
Species	Human, Hamster
Specificity/Sensitivity	LDHB - lactate dehydrogenase B
Immunogen	LDHB (AAH02362.1, 1 a.a. ~ 334 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. MATLKEKLIAPVAEEEEATVPNNKITVVGVGQVGMACAISILGKSLADELALVDVL EDKCLKGEMMDLQHGSLFLQTPKIVADKDYSVTANSKIVVVTAGVRQQEGESRL NLVQRNVNVFKFIIPQIVKYSPDCIIIVVSNPVDILTYVTWKL SGLPKHRVIGSGCN LDSARFRYLMAEKLGIHPSSCHGWILGEHGDSSVAVWSGVNVAGVSLQELNP EMGTDNDSENWKEVHKM VVESAYEVIKLG YTNWAIGLSVADLIESMLKNLSRI HPVSTMVKGMYGIENEVFLSLPCILNARGLTSDINQKCLKDDEVAQLKKSADTLW DIQKDLKDL
Notes	This product is produced by and distributed for Abnova, a company based in Taiwan.
Product Application Details	
Applications	Western Blot, Simple Western, ELISA, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1:500, Simple Western 1:20, ELISA, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin
Application Notes	Antibody reactivity against cell lysate and recombinant protein for WB. See Simple Western Antibody Database for Simple Western validation: tested in sorted induced neurons from human; antibody dilution of 1:20; separated by charge; detects a band at 38 kDa

Images

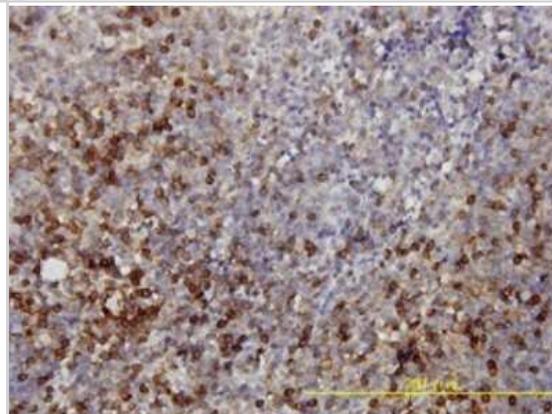
Western Blot: Lactate Dehydrogenase B Antibody (2H6) [H00003945-M01] - LDHB monoclonal antibody (M01), clone 2H6 Analysis of LDHB expression in HeLa.



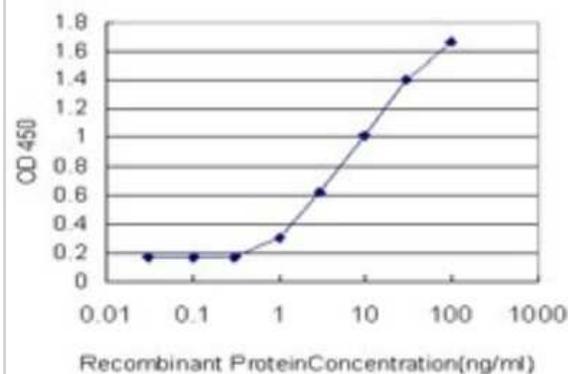
Immunocytochemistry/Immunofluorescence: Lactate Dehydrogenase B Antibody (2H6) [H00003945-M01] - Analysis of monoclonal antibody to LDHB on HeLa cell. Antibody concentration 10 ug/ml.



Immunohistochemistry-Paraffin: Lactate Dehydrogenase B Antibody (2H6) [H00003945-M01] - Analysis of monoclonal antibody to LDHB on formalin-fixed paraffin-embedded human tonsil tissue. Antibody concentration 5 ug/ml.



ELISA: Lactate Dehydrogenase B Antibody (2H6) [H00003945-M01] - Detection limit for recombinant GST tagged LDHB is approximately 1ng/ml as a capture antibody.



Publications

Catherine Vander Linden, Cyril Corbet, Estelle Bastien, Ruben Martherus, Céline Guilbaud, Laurene Petit, Loris Wauthier, Axelle Lorient, Charles De Smet, Olivier Feron Therapy-induced DNA methylation inactivates MCT1 and renders tumor cells vulnerable to MCT4 inhibition. *Cell reports* 2022-02-11 [PMID: 34077729]

Wen-Kuan H, Jiwei G, Ziqing C et al. Heterogeneity of Metabolic Vulnerability in Imatinib -Resistant Gastrointestinal Stromal Tumor. *Cells*. 2020-05-26 [PMID: 32466502]

Haruki S, Hisakazu K, Yuki K et al. Aberrant accumulation of TMEM43 accompanied by perturbed transmembrane gene expression in arrhythmogenic cardiomyopathy. *FASEB J*. 2021-11-15 [PMID: 34674311]

Ohkawara H, Ishibashi T, Sugimoto K et al. Membrane Type 1-Matrix Metalloproteinase/Akt Signaling Axis Modulates TNF-alpha-Induced Procoagulant Activity and Apoptosis in Endothelial Cells. *PLoS One*. 2014-08-27 [PMID: 25162582]

Len AC, Powner MB, Zhu L et al. Pilot application of iTRAQ to the retinal disease Macular Telangiectasia. *J Proteome Res*. 2012-02-03 [PMID: 22098468] (Human)

De Saedeleer CJ, Copetti T, Porporato PE et al. Lactate Activates HIF-1 in Oxidative but Not in Warburg-Phenotype Human Tumor Cells *PLoS One* 2012-01-01 [PMID: 23082126] (WB, Human)

Zhang L, Zhang ZP, Zhang XE et al. Quantitative proteomics analysis reveals BAG3 as a potential target to suppress severe acute respiratory syndrome coronavirus replication. *J Virol* 84(12):6050-9. 2010-06-01 [PMID: 20392858]





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 H00003945-M01

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)
NBP2-38131PEP	Lactate Dehydrogenase B 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

Earn gift cards/discounts by submitting a review: www.novusbio.com/reviews/submit/H00003945-M01

Earn gift cards/discounts by submitting a publication using this product:
www.novusbio.com/publications

