

# 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.

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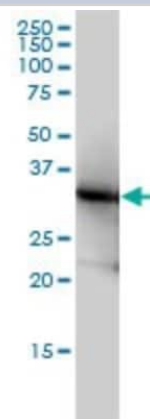
**H00003945-M01****Lactate Dehydrogenase B Antibody (2H6) - Azide and BSA Free**

<b>Product Information</b>	
<b>Unit Size</b>	0.1 mg
<b>Concentration</b>	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	2H6
<b>Preservative</b>	No Preservative
<b>Isotype</b>	IgG1 Kappa
<b>Purity</b>	IgG purified
<b>Buffer</b>	In 1x PBS, pH 7.4
<b>Product Description</b>	
<b>Description</b>	Quality control test: Antibody Reactive Against Recombinant Protein.
<b>Host</b>	Mouse
<b>Gene ID</b>	3945
<b>Gene Symbol</b>	LDHB
<b>Species</b>	Human, Hamster
<b>Specificity/Sensitivity</b>	LDHB - lactate dehydrogenase B
<b>Immunogen</b>	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 EDKLKGEMMDLQHGSFLQTPKIVADKDYSVTANSKIVVVTAGVRQQEGESRL NLVQRNVNVFKFIIPQIVKYSPDCIIIVVSNPVDILTYVTWKL SGLPKHRVIGSGCN LDSARFRYLMAEKLGIHPSSCHGWILGEHGDSSVAVWSGVNVAGVSLQELNP EMGTDNDSENWKEVHKMVVESAYEVIKLKGYTNWAIGLSVADLIESMLKNLSRI HPVSTMVKGMYGIENEVFLSLPCILNARGLTSDINQKLKDDEVAQLKKSADTLW DIQKDLKDL
<b>Notes</b>	This product is produced by and distributed for Abnova, a company based in Taiwan.
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Simple Western, ELISA, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
<b>Recommended Dilutions</b>	Western Blot 1:500, Simple Western 1:20, ELISA, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin
<b>Application Notes</b>	Antibody reactivity against cell lysate and recombinant protein for WB. See <a href="#">Simple Western Antibody Database</a> 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

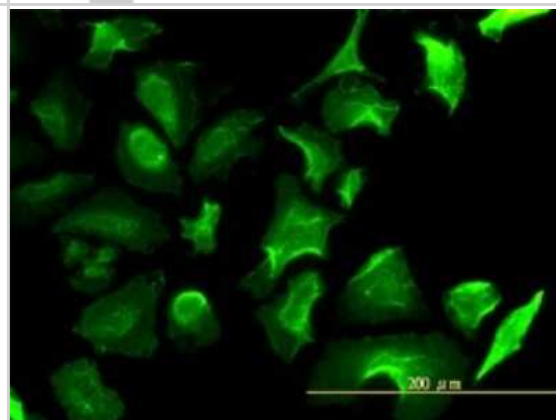


## Images

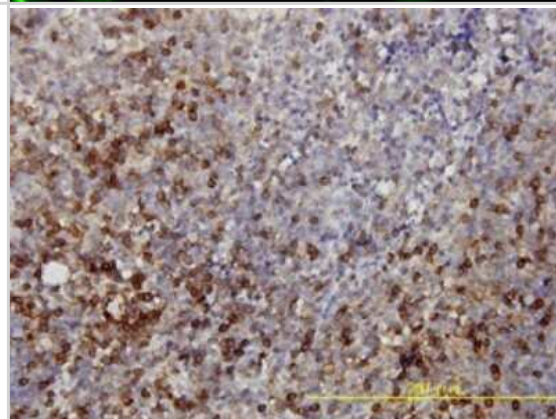
Western Blot: Lactate Dehydrogenase B Antibody (2H6) [H00003945-M01] - LDHB monoclonal antibody (M01), clone 2H6 Analysis of LDHB expression in Hela.



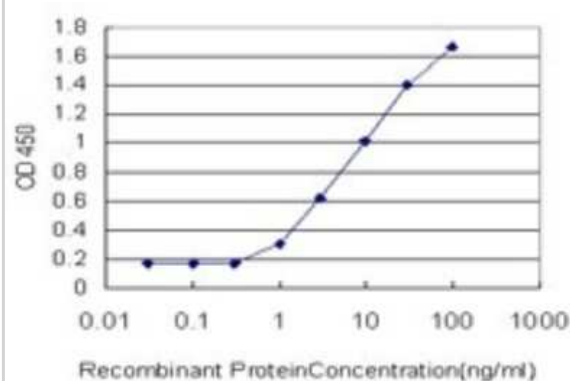
Immunocytochemistry/Immunofluorescence: Lactate Dehydrogenase B Antibody (2H6) [H00003945-M01] - Analysis of monoclonal antibody to LDHB on HeLa cell. Antibody concentration 10 ug/ml.



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, Laureenne 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]





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### **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.

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