

Product Datasheet

Lactate Dehydrogenase B Antibody (2H6) H00003945-M01

Unit Size: 0.1 mg

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

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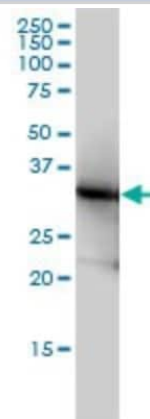


H00003945-M01**Lactate Dehydrogenase B Antibody (2H6)**

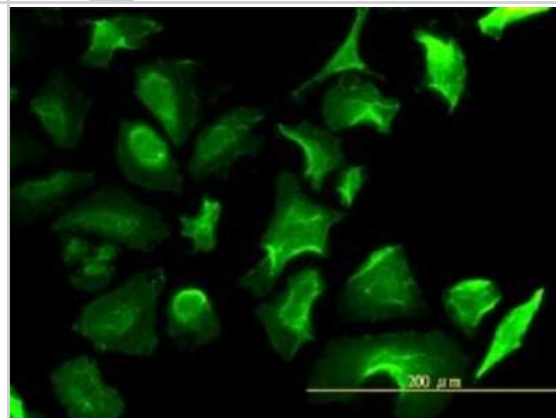
Product Information	
Unit Size	0.1 mg
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	2H6
Preservative	No Preservative
Isotype	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 EDKLGEMMDLQHGSFLQTPKIVADKDYSVTANSKIVVVTAGVRQQEGESRL NLVQRNVNVFKFIIPQIVKYSPDCIIIVVSNPVDILTYVTWKL SGLPKHRVIGSGCN LDSARFRYLMAEKLGHPSSCHGWILGEHGDSSVAVWSGVNVAGVSLQELNP EMGTDNDSENWKEVHKMVVESAYEVIKLGTYTNWAIGLSVADLIESMLKNLSRI 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. Simple Western reported by an internal validation. Separated by Size, antibody dilution of 1:20, detects a band at 38 kDa.

Images

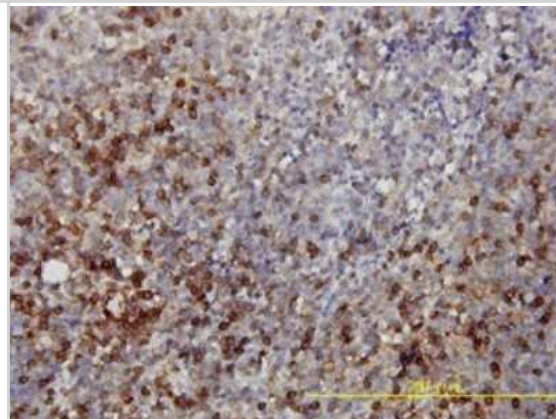
Western Blot: Lactate Dehydrogenase B Antibody (2H6) [H00003945-M01] - LDHB monoclonal antibody (M01), clone 2H6 Analysis of LDHB expression in Hela.



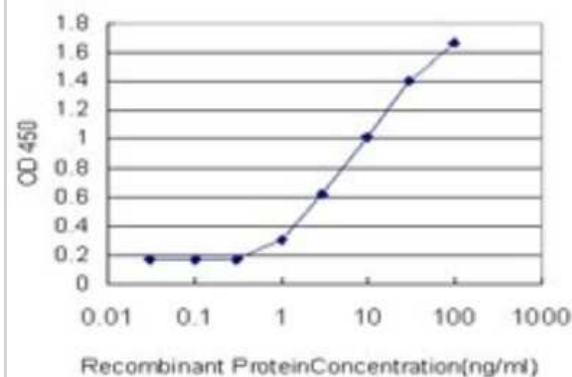
Immunocytochemistry/Immunofluorescence: Lactate Dehydrogenase B Antibody (2H6) [H00003945-M01] - Analysis of monoclonal antibody to LDHB on HeLa cell. Antibody concentration 10 ug/ml.



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

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 transmural 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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