

# Product Datasheet

## LDB3 Antibody (3C8) - Azide and BSA Free H00011155-M06-100ug

Unit Size: 100 ug

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

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**H00011155-M06-100ug**

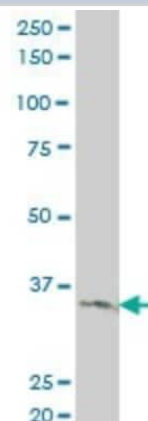
LDB3 Antibody (3C8) - Azide and BSA Free

Product Information	
Unit Size	100 ug
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	3C8
Preservative	No Preservative
Isotype	IgG2b Kappa
Purity	IgG purified
Buffer	In 1x PBS, pH 7.4
Product Description	
Host	Mouse
Gene ID	11155
Gene Symbol	LDB3
Species	Human, Mouse, Rat
Reactivity Notes	Human. Mouse reactivity reported in scientific literature (PMID: 25904789). Other species not tested.
Specificity/Sensitivity	LDB3 (3C8)
Immunogen	LDB3 (AAH10929, 1 a.a. ~ 283 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. MSYSVTLTGPGPWGFRLLQGKDFNMPLTISRITPGSKAAQSQLSQGDLVVAID GVNTDTMTHLEAQNKIKSASYNLSLTQKSKRPIPISTTAPPVQTPLPVIPHQKV VVNSPANADYQERFNPSALKDSALSTHKPIEVKGLGGKATIIHAQYNTPIISMYS QDAIMDAIAGQAQAQGSDFSGSLPIKDLAVDSASPVYQAVIKSQNKPEDEADE WARRSSNLQSRFRILAQMTGTETFMQDPDEEALRRSRERFETERNSPRFAKL RNWHHGLSAQILNVKS
Notes	This product is produced by and distributed for Abnova, a company based in Taiwan.
Product Application Details	
Applications	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation, Knockdown Validated
Recommended Dilutions	Western Blot 1:500, ELISA, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation, Knockdown Validated
Application Notes	Antibody reactive against cell lysate and recombinant protein for western blot. It has also been used for RNAi validation, immunofluorescence and ELISA.

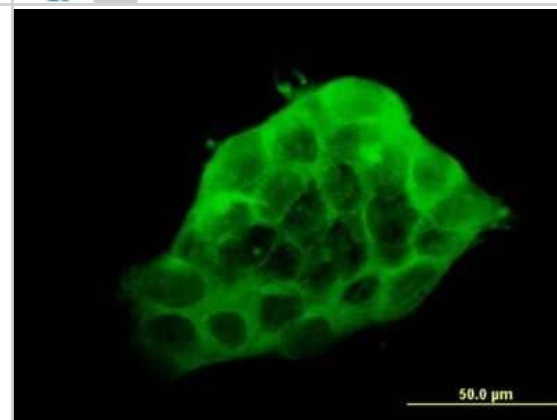


## Images

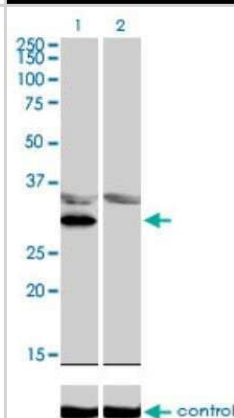
Western Blot: LDB3 Antibody (3C8) [H00011155-M06] - Analysis of LDB3 expression in A-431 (Cat # L015V1).



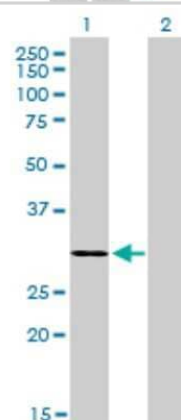
Immunocytochemistry/Immunofluorescence: LDB3 Antibody (3C8) [H00011155-M06] - Analysis of monoclonal antibody to LDB3 on A-431 cell. Antibody concentration 10 ug/ml



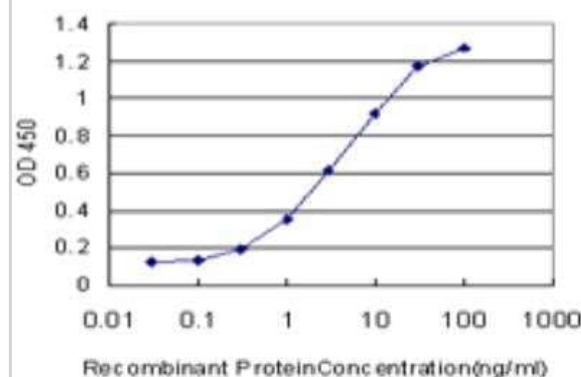
Western Blot: LDB3 Antibody (3C8) [H00011155-M06] - Western blot analysis of LDB3 over-expressed 293 cell line, cotransfected with LDB3 Validated Chimera RNAi or non-transfected control. Blot probed with H00011155-M06. GAPDH (36.1 kDa) used as loading control.



Western Blot: LDB3 Antibody (3C8) [H00011155-M06] - Analysis of LDB3 expression in transfected 293T cell line by LDB3 monoclonal antibody (M06), clone 3C8. Lane 1: LDB3 transfected lysate (31 KDa). Lane 2: Non-transfected lysate.



ELISA: LDB3 Antibody (3C8) [H00011155-M06] - Detection limit for recombinant GST tagged LDB3 is approximately 0.03ng/ml as a capture antibody.



## Publications

Teresinha E, Xaviere L, Pierre C et al. A Heterozygous Mutation in the Filamin C Gene Causes an Unusual Nemaline Myopathy With Ring Fibers. *J Neuropathol Exp Neurol*. 2020-06-30 [PMID: 32607581]

Pankaj P, Yotam B, Kalpana S et al. Myopathy associated LDB3 mutation causes Z-disc disassembly and protein aggregation through PKC $\epsilon$  and TSC2-mTOR downregulation. *Commun Biol*. 2021-03-19 [PMID: 33742095]

Scheffer DI, Shen J, Corey DP, Chen ZY. Gene Expression by Mouse Inner Ear Hair Cells during Development. *J Neurosci* 2015-04-22 [PMID: 25904789] (ICC/IF, Mouse)

Arimura T, Inagaki N, Hayashi T et al. Impaired binding of ZASP/Cypher with phosphoglucomutase 1 is associated with dilated cardiomyopathy. *Cardiovasc Res*. 2009-05-13 [PMID: 19377068]

Lin Xiaoyan, Ruiz Janelle, Bajraktari Ilda et al. Z-disc-associated, alternatively spliced, PDZ motif-containing protein (ZASP) mutations in the actin-binding domain cause disruption of skeletal muscle actin filaments in myofibrillar myopathy. *J Biol Chem*. 2014-05-09 [PMID: 24668811]



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### **Products Related to H00011155-M06-100ug**

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-43317-0.5mg	Mouse IgG2b Kappa Light Chain Isotype Control (MG2b)
H00011155-P01-10ug	Recombinant Human LDB3 GST (N-Term) 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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