

# 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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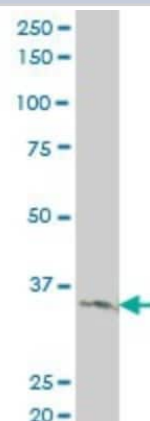
**H00011155-M06-100ug**

LDB3 Antibody (3C8) - Azide and BSA Free

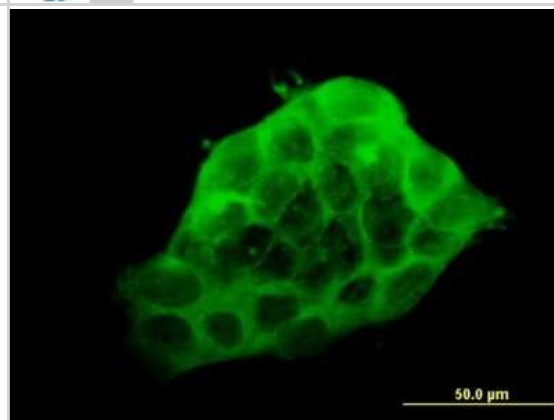
Product Information	
<b>Unit Size</b>	100 ug
<b>Concentration</b>	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	3C8
<b>Preservative</b>	No Preservative
<b>Isotype</b>	IgG2b Kappa
<b>Purity</b>	IgG purified
<b>Buffer</b>	In 1x PBS, pH 7.4
Product Description	
<b>Description</b>	Novus Biologicals Mouse LDB3 Antibody (3C8) - Azide and BSA Free (H00011155-M06) is a monoclonal antibody validated for use in WB, ELISA, ICC/IF and IP. Anti-LDB3 Antibody: Cited in 5 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Mouse
<b>Gene ID</b>	11155
<b>Gene Symbol</b>	LDB3
<b>Species</b>	Human, Mouse, Rat
<b>Reactivity Notes</b>	Human. Mouse reactivity reported in scientific literature (PMID: 25904789). Other species not tested.
<b>Specificity/Sensitivity</b>	LDB3 (3C8)
<b>Immunogen</b>	LDB3 (AAH10929, 1 a.a. ~ 283 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. MSYSVTLTGPGPWGFR LQGKDFNMPLTISRITPGSKAAQSQLSQGDLVVAID GVNTDTMTHLEAQNKIKSASYNLSLTLQKSKRPIPISTTAPPVQTPLPVIHQKV VVNSPANADYQERFNPSALKDSALSTHKPIEVKGLGGKATIIHAQYNTPIISMYS QDAIMDAIAGQAQAQGSDFSGSLPIKDLAVDSASPVYQAVIKSQNKPEDEADE WARRSSNLQSRFRILAQMTGTEFMQDPDEEALRRSRERFETERNSPRFAKL RNWHHGLSAQILNVKS
<b>Notes</b>	This product is produced by and distributed for Abnova, a company based in Taiwan.
Product Application Details	
<b>Applications</b>	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation, Knockdown Validated
<b>Recommended Dilutions</b>	Western Blot 1:500, ELISA, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation, Knockdown Validated
<b>Application Notes</b>	Antibody reactive against cell lysate and recombinant protein for western blot. It has also been used for RNAi validation, immunofluorescence and ELISA.

## Images

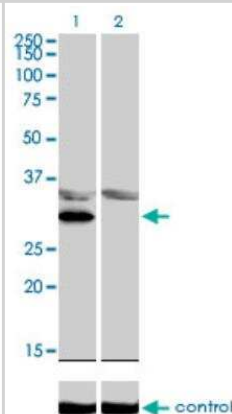
Western Blot: LDB3 Antibody (3C8) [H00011155-M06] - Analysis of LDB3 expression in A-431 (Cat # L015V1).



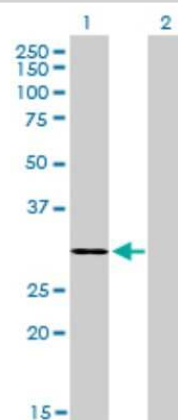
Immunocytochemistry/Immunofluorescence: LDB3 Antibody (3C8) [H00011155-M06] - Analysis of monoclonal antibody to LDB3 on A-431 cell. Antibody concentration 10 ug/ml



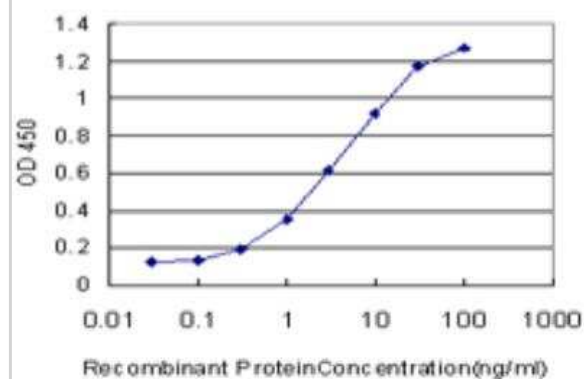
Western Blot: LDB3 Antibody (3C8) [H00011155-M06] - Western blot analysis of LDB3 over-expressed 293 cell line, cotransfected with LDB3 Validated Chimera RNAi or non-transfected control. Blot probed with H00011155-M06. GAPDH (36.1 kDa) used as loading control.



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**

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NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-43317-0.5mg	Mouse IgG2b Kappa Light Chain Isotype Control (MG2b)

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### **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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