

Product Datasheet

LDB3 Antibody NB100-2445

Unit Size: 0.1 mg

Store at -20C. Avoid freeze-thaw cycles.

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NB100-2445

LDB3 Antibody

Product Information	
Unit Size	0.1 mg
Concentration	0.5 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	Tris saline (20 mM Tris pH 7.3, 150 mM NaCl), 0.5% BSA

Product Description	
Host	Goat
Gene ID	11155
Gene Symbol	LDB3
Species	Human
Immunogen	Peptide with sequence C-KSQNKPEDEADE corresponding to internal region according to NP_009009.1, NP_001073583.1, NP_001073584.1, NP_001073585.1.

Product Application Details	
Applications	Western Blot, Immunohistochemistry, Immunohistochemistry-Paraffin, Peptide ELISA
Recommended Dilutions	Western Blot 0.1 - 1 ug/ml, Immunohistochemistry, Immunohistochemistry-Paraffin 6-7 ug/ml, Peptide ELISA Detection limit 1:1000
Application Notes	WB: WB experiments gave bands at approx. 90 kDa band and 35 kDa band in human skeletal muscle lysate after 1 ug/ml antibody staining. These bands correspond to earlier findings are reported in scientific literature with different antibodies (PMID: 12499364). This protein has a calculated MW of 77.1 kDa band according to NP_009009.1.

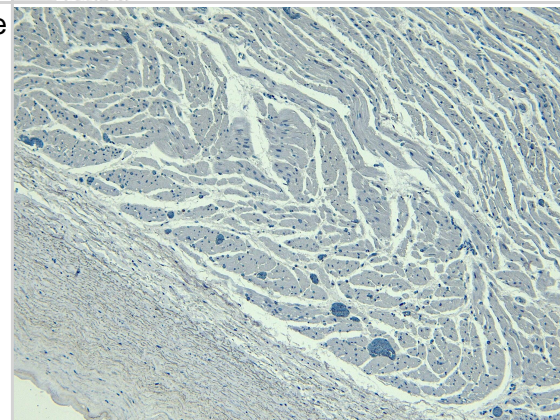


Images

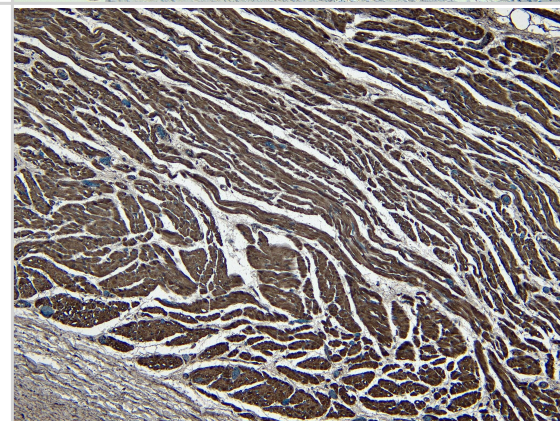
Western Blot: LDB3 Antibody [NB100-2445] - Staining of Human Skeletal Muscle lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

250kDa
150kDa
100kDa
75kDa
50kDa
37kDa
25kDa
20kDa
15kDa

Immunohistochemistry-Paraffin: LDB3 Antibody [NB100-2445] - Negative Control showing staining of paraffin embedded Human Heart, with no primary antibody.



Immunohistochemistry-Paraffin: LDB3 Antibody [NB100-2445] - (6ug/ml) staining of paraffin embedded Human Heart. Heat induced antigen retrieval with citrate buffer pH 6, HRP-staining.



Publications

Selcen D, Engel AG. Mutations in ZASP define a novel form of muscular dystrophy in humans. *Ann Neurol* 2005-02-01 [PMID: 15668942]

Huang C, Zhou Q, Liang P et al. Characterization and in vivo functional analysis of splice variants of cypher. *J Biol Chem* 2003-02-01 [PMID: 12499364]

Leung MC, Hitchen PG, Ward DG et al. Z-band alternatively spliced PDZ-motif protein (ZASP) is the major O-linked-beta-N-acetylglucosamine-substituted protein in human heart myofibrils *J Biol Chem* 2012-12-27 [PMID: 23271734] (WB, Human)

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]



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Products Related to NB100-2445

NB820-59253	Human Skeletal Muscle Whole Tissue Lysate (Adult Whole Normal)
HAF017	Rabbit anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
HAF109	Donkey anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
NB410-28088-1mg	Goat IgG Isotype Control

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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