

# Product Datasheet

## FHL1 Antibody NB100-1460

Unit Size: 0.1 mg

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

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**NB100-1460**

## FHL1 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	
Description	Novus Biologicals Goat FHL1 Antibody (NB100-1460) is a polyclonal antibody validated for use in IHC, WB and ELISA. Anti-FHL1 Antibody: Cited in 3 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Goat
Gene ID	2273
Gene Symbol	FHL1
Species	Mouse, Rat
Reactivity Notes	Use in Mouse reported in scientific literature (PMID:18056057).
Specificity/Sensitivity	This antibody is expected to recognize Mouse NP_001070830.1 iso 2 , NP_001274729.1 iso 3 and Rat NP_001029098.1 iso 1, NP_001258128.1 iso 3. Since June 2009 the second N residue in the immunizing peptide is no longer representative as it has been substituted by Q at position 284 of NP_001440.2. Variants NP_001440.2, NP_001153176.1 and NP_001153172.1 represent identical protein.
Immunogen	Peptide with sequence CNKRQVFNHNEQVY, from the internal region of the protein sequence according to NP_001070830.1; NP_001274729.1.

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunohistochemistry, Peptide ELISA
Recommended Dilutions	Western Blot 0.05 - 0.3 ug/mL, Immunohistochemistry, Immunohistochemistry-Paraffin, Peptide ELISA Detection limit 1:32000
Application Notes	WB: Approx 32kDa band observed in Mouse and Rat Skeletal Muscle and in Rat Lung lysates (calculated MW of 31.9kDa according to Mouse NP_001274729.1 and Rat NP_001258128.1). Primary incubation 1 hour at room temperature.



## Images

Western Blot: FHL1 Antibody [NB100-1460] - (0.1ug/ml) staining of Mouse Skeletal Muscle (A), Rat Lung (B) and Rat Skeletal Muscle (C) lysate (35ug protein in RIPA buffer). Detected by chemiluminescence.



## Publications

Ko DS, Kang J, Heo HJ et al. Role of PCK2 in the proliferation of vascular smooth muscle cells in neointimal hyperplasia International journal of biological sciences 2022-08-08 [PMID: 35982907] (IHC-P, Mouse)

Details:

IHC-P Dilutions: 1:200; ICC/IF Dilutions: 1:400; WB Dilutions: 1:1000

Brown S, McGrath MJ, Ooms LM et al. Characterization of two isoforms of the skeletal muscle LIM protein 1, SLIM1. Localization of SLIM1 at focal adhesions and the isoform slimmer in the nucleus of myoblasts and cytoplasm of myotubes suggests distinct roles in the cytoskeleton and in nuclear-cytoplasmic communication. J Biol Chem 1999-09-17 [PMID: 10480922]

Gramolini AO, Kislinger T, Alikhani-Koopaei R et al. Comparative proteomics profiling of a phospholamban mutant mouse model of dilated cardiomyopathy reveals progressive intracellular stress responses. Mol Cell Proteomics. 2008-03-01 [PMID: 18056057] (WB, Mouse)

Details:

WB, mouse heart tissue: 1. IMG- 5346A (Nogo A/B): Fig. C. 2. IMG-3374 (FHL1): Figs. 3C; 4A, B; 6; 8A, B.



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### Products Related to NB100-1460

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NB820-59253	Human Skeletal Muscle Whole Tissue Lysate (Adult Whole Normal)
NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
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

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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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