

Product Datasheet

FHL1 Antibody NB100-1461

Unit Size: 0.1 mg

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

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Publications: 2

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NB100-1461**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

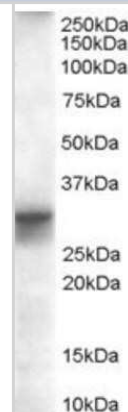
Product Description	
Description	Novus Biologicals Goat FHL1 Antibody (NB100-1461) is a polyclonal antibody validated for use in WB and ELISA. Anti-FHL1 Antibody: Cited in 2 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Goat
Gene ID	2273
Gene Symbol	FHL1
Species	Human, Mouse
Specificity/Sensitivity	This antibody is specific for the FHL-1 isoform B (SLIMMER) and is expected to recognise an epitope corresponding to aa 233-246 of human SLIMMER protein.
Immunogen	Peptide with sequence CTVSRVSHPVSKARK corresponding to internal region according to AAC72886.1.

Product Application Details	
Applications	Western Blot, Peptide ELISA
Recommended Dilutions	Western Blot 1:100-1:2000, Peptide ELISA Detection limit 1:128000
Application Notes	WB: Approx. 30 kDa band observed in human heart lysates (calculated MW of 36.3 kDa band according to AAC72886) is consistent with scientific literature (PMID: 1048092).

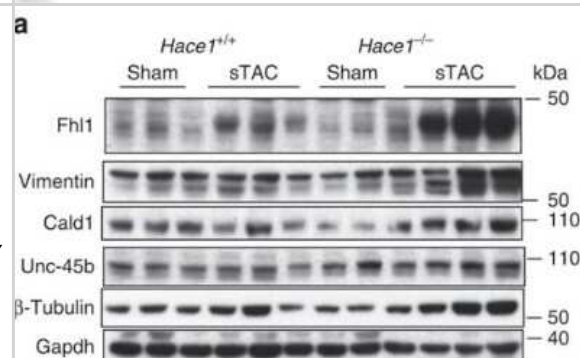


Images

Western Blot: FHL1 Antibody [NB100-1461] - (0.01ug/ml) staining of Human Heart lysate (35ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



Western Blot: FHL1 Antibody [NB100-1461] - Proteins interacting with HACE1 accumulate in Hace1^{-/-}-sTAC heart. Representative western blots show increased accumulation of some of the HACE1-interacting proteins in the Hace1^{-/-}-sTAC myocardium. n=3 mice per group, error bars represent s.e.m., P-value between KO and WT sTAC as indicated (one-way analysis of variance). GAPDH was used as a loading control. Image collected and cropped by CiteAb from the following publication (<https://www.nature.com/articles/ncomms4430>), licensed under a CC-BY license.



Publications

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]

Zhang L, Chen X, Sharma P et al. HACE1-dependent protein degradation provides cardiac protection in response to haemodynamic stress. Nat Commun 2014-03-11 [PMID: 24614889] (WB, Mouse)



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Products Related to NB100-1461

NB820-59217	Human Heart 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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