

Product Datasheet

HADHB Antibody - BSA Free

NBP1-82609

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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NBP1-82609

HADHB Antibody - BSA Free

Product Information

Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	PBS (pH 7.2) and 40% Glycerol

Product Description

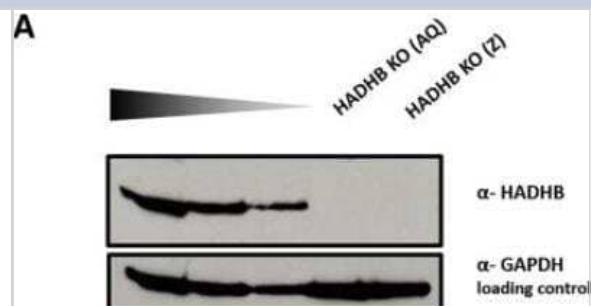
Host	Rabbit
Gene ID	3032
Gene Symbol	HADHB
Species	Human, Mouse, Rat
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: LRDFMYVSQDPKDQLLLGPTYATPKVLEKAGLTMNDIDAFEFHEAFSGQILANF KAMSDSWFAENYMGRKTKVGLPPLEKFNNWGGSLSLG

Product Application Details

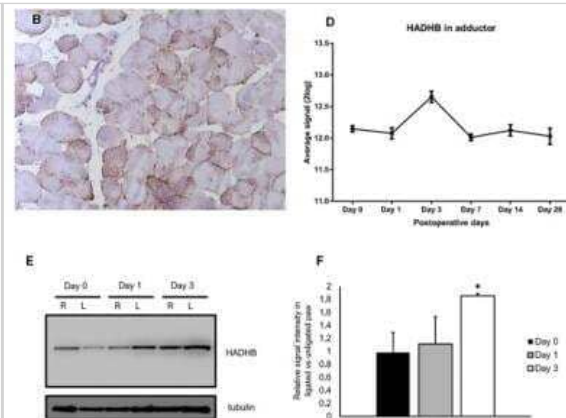
Applications	Western Blot, Immunohistochemistry, Immunohistochemistry-Paraffin, Knockout Validated
Recommended Dilutions	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:500 - 1:1000, Immunohistochemistry-Paraffin 1:500 - 1:1000, Knockout Validated
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended.

Images

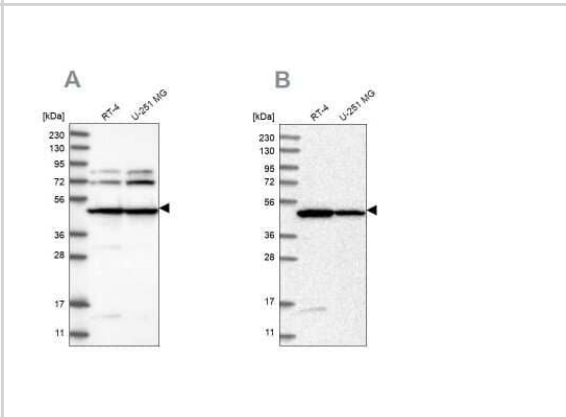
Western Blot: HADHB Antibody [NBP1-82609] - Generation of NIH 3T3 HADHB KO Cell Lines by CRISPR/Cas9(A) Western blot analysis of HADHB protein levels in two HADHB KO clones (AQ and Z) compared with decreasing amounts of total protein extract from WT NIH 3T3 cells. Image collected and cropped by CiteAb from the following publication (<https://linkinghub.elsevier.com/retrieve/pii/S2162253118303135>) licensed under a CC-BY license.



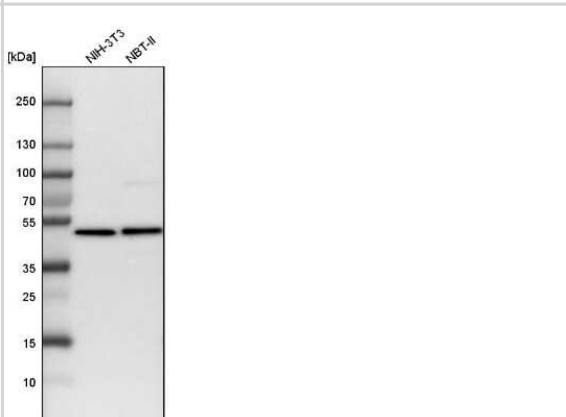
Immunohistochemistry: HADHB Antibody [NBP1-82609] - (B) IHC staining of murine adductor muscle after ischemia induction revealed expression of HADHB, predominantly in the cytoplasm of cells. **(D)** Microarray analysis of mRNA expression of HADHB mRNA in the adductor muscle of mice at several time points after induction of ischemia (4 mice per time point). **(E)** Western blot showing HADHB levels in murine adductor muscle tissue on day 0, 1, and 3 after hindlimb ligation. For each time point, samples from right (R) unligated paws and left (L) ligated paws are presented next to each other. Tubulin was used as a loading control. **(F)** Quantification of the western blot. The HADHB signal was normalized against tubulin. Each bar represents a biological triplicate and technical duplicate. Image collected and cropped by CiteAb from the following publication (<https://linkinghub.elsevier.com/retrieve/pii/S2162253118303135>) licensed under a CC-BY license.



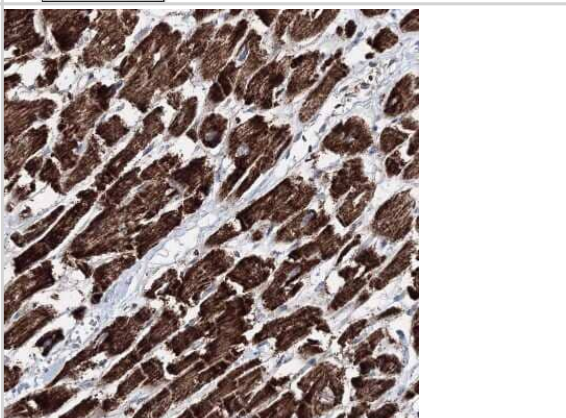
Western Blot: HADHB Antibody [NBP1-82609] - Analysis using Anti-HADHB antibody NBP1-82609 (A) shows similar pattern to independent antibody NBP2-38353 (B).



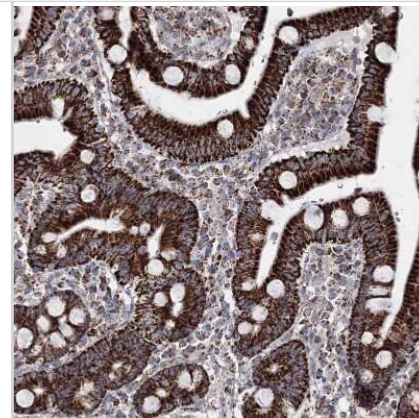
Western Blot: HADHB Antibody [NBP1-82609] - Analysis in mouse cell line NIH-3T3 and rat cell line NBT-II.



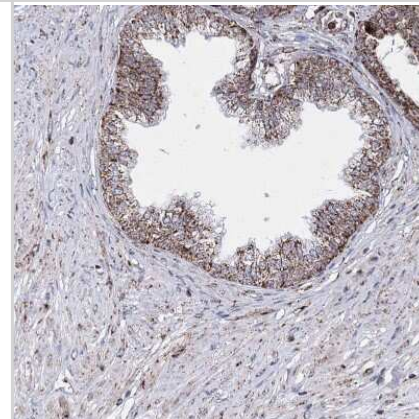
Immunohistochemistry-Paraffin: HADHB Antibody [NBP1-82609] - Staining of human heart muscle shows strong granular cytoplasmic positivity in cardiomyocytes.



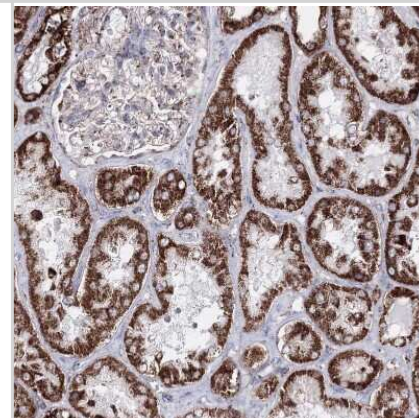
Immunohistochemistry-Paraffin: HADHB Antibody [NBP1-82609] - Staining of human duodenum shows strong granular cytoplasmic positivity in glandular cells.



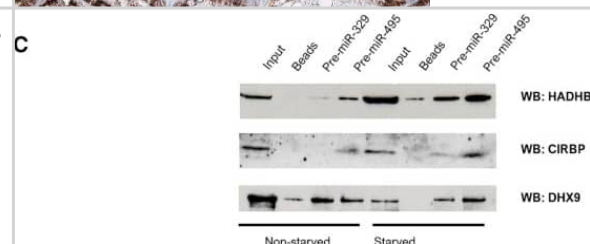
Immunohistochemistry-Paraffin: HADHB Antibody [NBP1-82609] - Staining of human prostate shows strong granular cytoplasmic positivity in glandular cells.



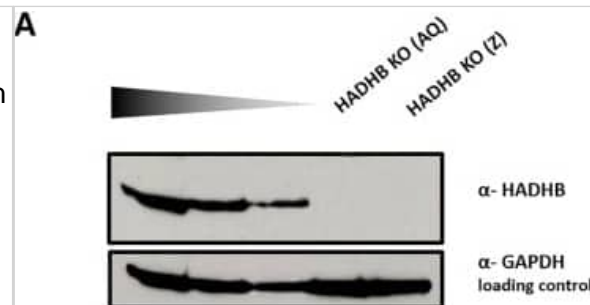
Immunohistochemistry-Paraffin: HADHB Antibody [NBP1-82609] - Staining of human kidney shows strong granular cytoplasmic positivity in cells in tubules.



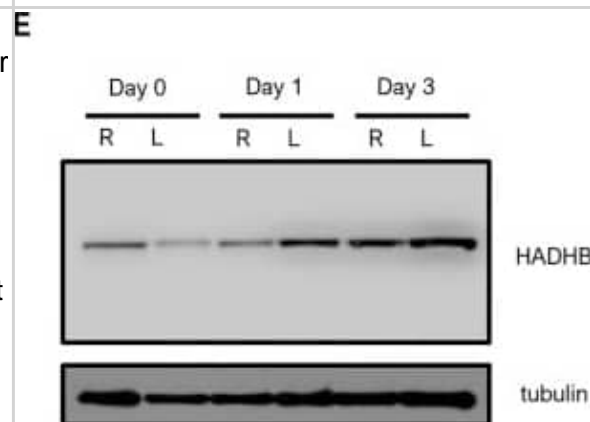
Western Blot: HADHB Antibody [NBP1-82609] - Identification of Proteins Binding Pre-miR-329 & Pre-miR-495(A) Schematic representation of RNA pull-down combined with SILAC mass spectrometry. (B) Proteins showing increased or decreased binding to pre-miR-329, pre-miR-495, or both. (C) Western blot validation of HADHB & CIRBP binding to pre-miR-329 & pre-miR-495 under conditions of normal serum & serum starvation. DHX9 is used as a binding control. (D & E) Quantification of the western blot, showing HADHB (D) & CIRBP (E) binding to pre-miR-329 & pre-miR-495 under conditions of normal serum & serum starvation (relative to input). * $p < 0.05$, $n = 3$. Image collected & cropped by CiteAb from the following publication (<https://pubmed.ncbi.nlm.nih.gov/30665182>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Western Blot: HADHB Antibody [NBP1-82609] - Generation of NIH 3T3 HADHB KO Cell Lines by CRISPR/Cas9(A) Western blot analysis of HADHB protein levels in two HADHB KO clones (AQ & Z) compared with decreasing amounts of total protein extract from WT NIH 3T3 cells. (B) Alignment of the region surrounding the CRISPR-Cas9 target sequence from genomic DNA of clones AQ & Z. (C & D) Levels of mature (C) or precursor (D) miR-329 & miR-495 as well as control miR-423 in WT & HADHB KO cell lines quantified by qRT-PCR & normalized to miR-16. For pre-miRs, n = 3; for mature miRs, n = 9. Image collected & cropped by CiteAb from the following publication (<https://pubmed.ncbi.nlm.nih.gov/30665182>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Western Blot: HADHB Antibody [NBP1-82609] - Expression of CIRBP & HADHB In Vivo(A & B) Immunohistochemical staining of murine adductor muscle after ischemia induction revealed expression of both CIRBP (A) & HADHB (B) in these tissues, predominantly in the cytoplasm of cells. (C & D) Microarray analysis of mRNA expression of CIRBP (C) & HADHB (D) mRNA in the adductor muscle of mice at several time points after induction of ischemia (4 mice per time point). (E) Western blot showing HADHB levels in murine adductor muscle tissue on day 0, day 1, & day 3 after hindlimb ligation. For each time point, samples from right (R) unligated paws & left (L) ligated paws are presented next to each other. Tubulin was used as a loading control. (F) Quantification of the western blot. The HADHB signal was normalized against tubulin, & the relative change between ligated & unligated is presented. Each bar represents a biological triplicate & technical duplicate. Image collected & cropped by CiteAb from the following publication (<https://pubmed.ncbi.nlm.nih.gov/30665182>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Publications

Maurya S. K, Herrera J. L, et al. Sarcolipin Signaling Promotes Mitochondrial Biogenesis and Oxidative Metabolism in Skeletal Muscle. Cell Rep 2018-09-11 [PMID: 30208317] (WB, Mouse)

Downie Ruiz Velasco A, Welten SMJ, Goossens EAC et al. Posttranscriptional Regulation of 14q32 MicroRNAs by the CIRBP and HADHB during Vascular Regeneration after Ischemia Mol Ther Nucleic Acids 2019-03-01 [PMID: 30665182] (IHC-P, Mouse)

Details:

Novus HADHB antibody used in IHC analysis of paraffin embedded tissue from mouse adductor muscles



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Products Related to NBP1-82609

NBP1-82609PEP	HADHB Recombinant Protein Antigen
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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