

Product Datasheet

BDH1 Antibody - BSA Free NBP1-88673

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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NBP1-88673

BDH1 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	Affinity purified
Buffer	PBS (pH 7.2) and 40% Glycerol

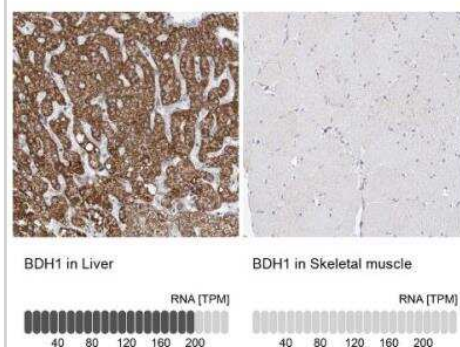
Product Description	
Description	Novus Biologicals Rabbit BDH1 Antibody - BSA Free (NBP1-88673) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. Anti-BDH1 Antibody: Cited in 4 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	622
Gene Symbol	BDH1
Species	Human, Rat
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: ATSLYSPESIQAIKKMWEELPEVVRKDYGKKYFDEKIAKMETYCSSGSTDTSP VIDAVTHALTATTPYTRYHPMDYYWWLRMQIMTHL

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen
Recommended Dilutions	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:500 - 1:1000, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:500 - 1:1000, Immunohistochemistry-Frozen Reported in scientific literature (PMID:35902007).
Application Notes	IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF, Fixation Permeabilization: Use PFA/Triton X-100.

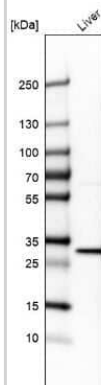


Images

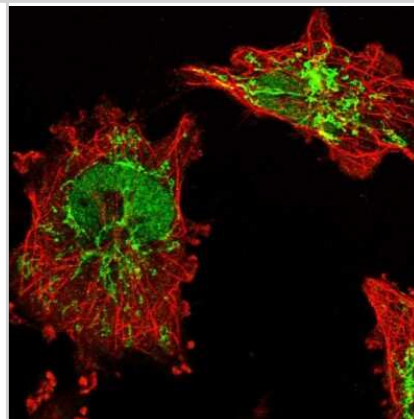
Immunohistochemistry-Paraffin: BDH1 Antibody [NBP1-88673] - Analysis in human liver and skeletal muscle tissues using antibody. Corresponding BDH1 RNA-seq data are presented for the same tissues.



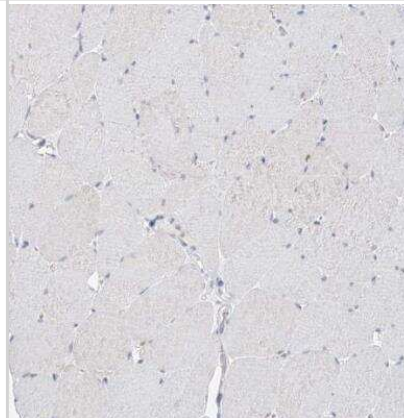
Western Blot: BDH1 Antibody [NBP1-88673] - Analysis in human liver tissue.



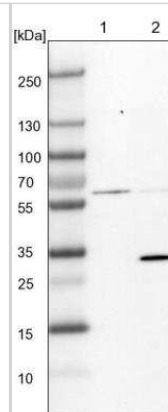
Immunocytochemistry/Immunofluorescence: BDH1 Antibody [NBP1-88673] - Staining of human cell line U-251 MG shows localization to nucleoplasm and mitochondria. Antibody staining is shown in green.



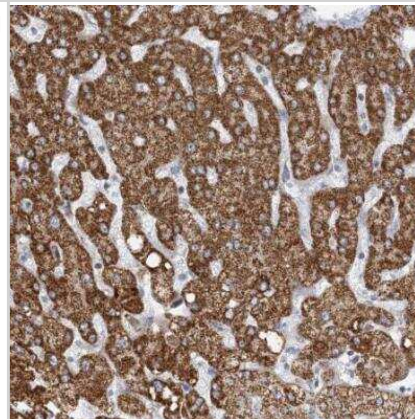
Immunohistochemistry-Paraffin: BDH1 Antibody [NBP1-88673] - Staining of human skeletal muscle shows no positivity in myocytes as expected.



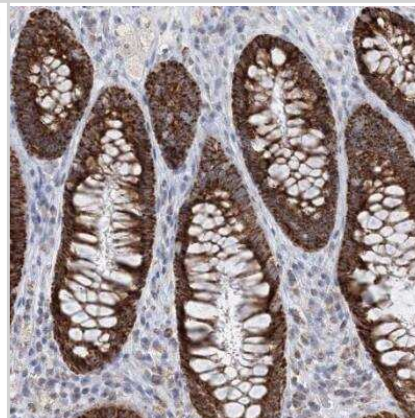
Western Blot: BDH1 Antibody [NBP1-88673] - Lane 1: NIH-3T3 cell lysate (Mouse embryonic fibroblast cells). Lane 2: NBT-II cell lysate (Rat Wistar bladder tumor cells).



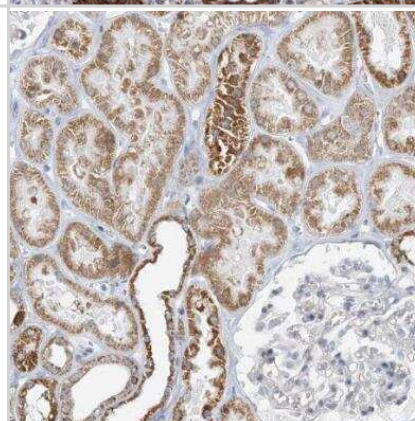
Immunohistochemistry-Paraffin: BDH1 Antibody [NBP1-88673] - Staining of human liver shows strong cytoplasmic positivity in hepatocytes.



Immunohistochemistry-Paraffin: BDH1 Antibody [NBP1-88673] - Staining of human rectum shows strong cytoplasmic granular positivity in glandular cells.



Immunohistochemistry-Paraffin: BDH1 Antibody [NBP1-88673] - Staining of human kidney shows moderate cytoplasmic granular positivity in cells in tubules.



Publications

Torres JA, Holznecht N, Asplund DA, Kroes BC et Al. β -hydroxybutyrate recapitulates the beneficial effects of ketogenic metabolic therapy in polycystic kidney disease *iScience* 2024-09-24 [PMID: 39314240]

Persad KL Contribution of Energy Metabolism to Cardiomyocyte Maturation Thesis 2023-01-01 (WB, Rat)

Soni S, Martens MD, Takahara S et al. Exogenous ketone ester administration attenuates systemic inflammation and reduces organ damage in a lipopolysaccharide model of sepsis *Biochimica et biophysica acta. Molecular basis of disease* 2022-07-25 [PMID: 35902007] (IHC-Fr, Mouse)

Gouirand V, Gicquel T, Lien EC et al. Ketogenic HMG-CoA lyase and its product beta-hydroxybutyrate promote pancreatic cancer progression *The EMBO journal* 2022-03-21 [PMID: 35307861] (IF/IHC, WB, Mouse)

Greenwell AA, Gopal K, Altamimi TR et al. Barth syndrome-related cardiomyopathy is associated with a reduction in myocardial glucose oxidation *American journal of physiology. Heart and circulatory physiology* 2021-06-01 [PMID: 33929899]





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Products Related to NBP1-88673

NBP1-88673PEP	BDH1 Recombinant Protein Antigen
NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
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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