

Product Datasheet

GLDC Antibody - BSA Free NBP1-83374

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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NBP1-83374

GLDC 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

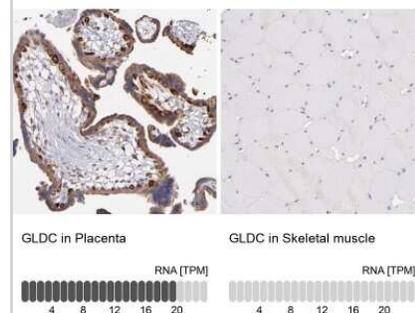
Product Description	
Description	Novus Biologicals Rabbit GLDC Antibody - BSA Free (NBP1-83374) is a polyclonal antibody validated for use in IHC and WB. Anti-GLDC Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	2731
Gene Symbol	GLDC
Species	Human, Mouse, Rat
Reactivity Notes	Human reactivity reported in scientific literature (PMID: 25855294).
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: ILNANYMAKRLETHYRILFRGARGYVGHEFILDTRPFKKSANIEAVDVAKRLQDY GFHAPTMSWPVAGTLMVEPTESEDKAELDRFCDAMISIRQEIADIEEGRIDPRV NPLKMSPHSLTCVTSSHWRPYSREVAAPLPFVKPENK

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunohistochemistry, Knockdown Validated
Recommended Dilutions	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:200 - 1:500, Immunohistochemistry-Paraffin 1:200 - 1:500, Knockdown Validated
Application Notes	IHC reported in scientific literature (PMID: 25855294). For IHC-Paraffin, HIER pH 6 retrieval is recommended.

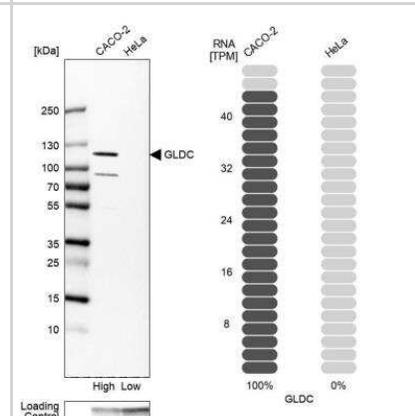


Images

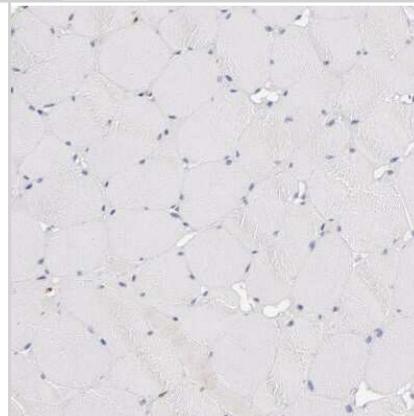
Immunohistochemistry-Paraffin: GLDC Antibody [NBP1-83374] - Analysis in human placenta and skeletal muscle tissues. Corresponding GLDC RNA-seq data are presented for the same tissues.



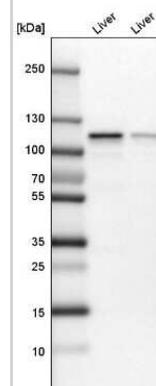
Western Blot: GLDC Antibody [NBP1-83374] - Western blot analysis in human cell lines Caco-2 and HeLa. Corresponding GLDC RNA-seq data are presented for the same cell lines. Loading control: Anti-GAPDH.



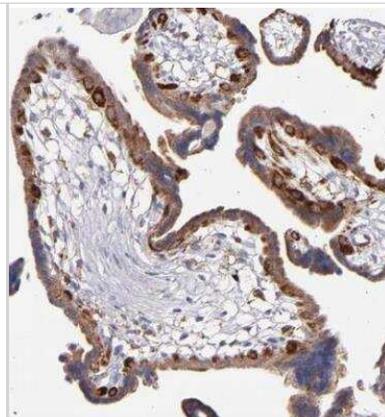
Immunohistochemistry-Paraffin: GLDC Antibody [NBP1-83374] - Staining of human skeletal muscle shows no positivity in myocytes as expected.



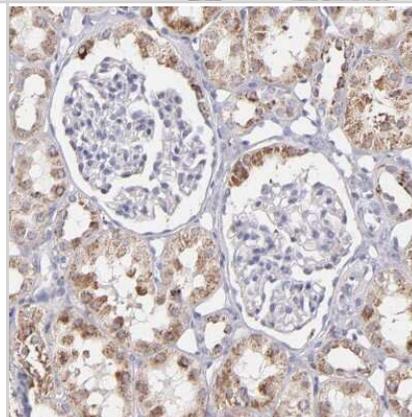
Western Blot: GLDC Antibody [NBP1-83374] - Western blot analysis in mouse liver tissue and rat liver tissue.



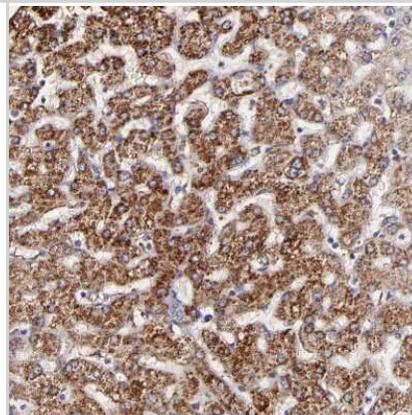
Immunohistochemistry-Paraffin: GLDC Antibody [NBP1-83374] - Staining of human placenta shows cytoplasmic positivity in trophoblastic cells.



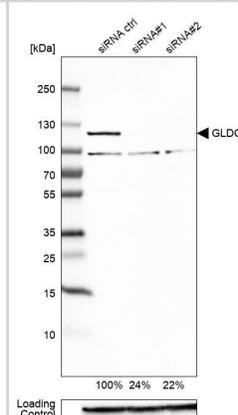
Immunohistochemistry-Paraffin: GLDC Antibody [NBP1-83374] - Staining of human kidney shows moderate granular positivity in cytoplasm in cells in tubules.



Immunohistochemistry-Paraffin: GLDC Antibody [NBP1-83374] - Staining of human liver shows strong granular positivity in cytoplasm in hepatocytes.



Analysis in Caco-2 cells) transfected with control siRNA, target specific siRNA probe #1 and #2, using Anti-GLDC antibody. Remaining relative intensity is presented. Loading control: Anti-GAPDH.



Publications

Kim D, Fiske BP, Birsoy K et al. SHMT2 drives glioma cell survival in ischaemia but imposes a dependence on glycine clearance. Nature 2015-04-16 [PMID: 25855294] (IF/IHC, Human)



Novus Biologicals USA

10730 E. Briarwood Avenue
Centennial, CO 80112
USA
Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
nb-customerservice@bio-techne.com

Bio-Techne Canada

21 Canmotor Ave
Toronto, ON M8Z 4E6
Canada
Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada.inquires@bio-techne.com

Bio-Techne Ltd

19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom
Phone: (44) (0) 1235 529449
Free Phone: 0800 37 34 15
Fax: (44) (0) 1235 533420
info.EMEA@bio-techne.com

General Contact Information

www.novusbio.com
Technical Support: nb-technical@bio-techne.com
Orders: nb-customerservice@bio-techne.com
General: novus@novusbio.com

Products Related to NBP1-83374

NBP1-83374PEP	GLDC 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

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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