

Product Datasheet

PHGDH Antibody (CL0555) - BSA Free NBP2-52939

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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Publications: 1

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NBP2-52939

PHGDH Antibody (CL0555) - 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	Monoclonal
Clone	CL0555
Preservative	0.02% Sodium Azide
Isotype	IgG1
Purity	Protein A purified
Buffer	PBS (pH 7.2) and 40% Glycerol

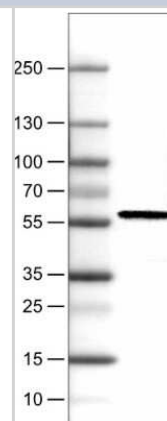
Product Description	
Description	Novus Biologicals Mouse PHGDH Antibody (CL0555) - BSA Free (NBP2-52939) is a monoclonal antibody validated for use in IHC, WB and ICC/IF. Anti-PHGDH Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	26227
Gene Symbol	PHGDH
Species	Human
Reactivity Notes	Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Mouse-On-Mouse blocking reagent may be needed for IHC and ICC experiments to reduce high background signal. You can find these reagents under catalog numbers PK-2200-NB and MP-2400-NB. Please contact Technical Support if you have any questions
Immunogen	This antibody was developed using a recombinant protein derived from O43175, with the exact immunogen sequence remaining proprietary.

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 1 ug/ml, Immunohistochemistry 1:500 - 1:1000, Immunocytochemistry/ Immunofluorescence 2-10 ug/ml, Immunohistochemistry-Paraffin 1:500 - 1:1000
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended. For ICC/IF, PFA/Triton X-100 is recommended for fixation/permeabilization.

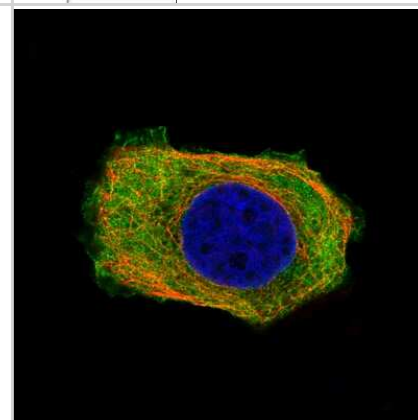


Images

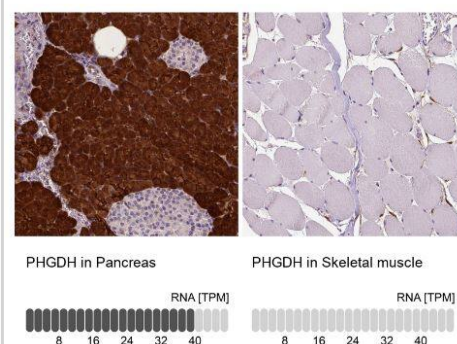
Western Blot: PHGDH Antibody (CL0555) [NBP2-52939] - Lane 1: Marker [kDa], Lane 2: Human cell line RT-4



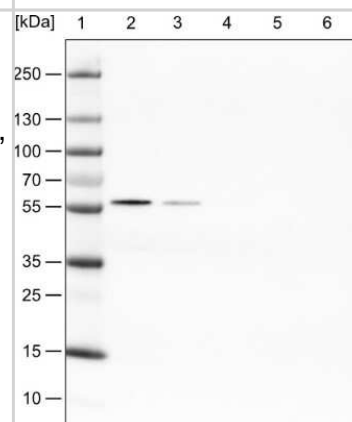
Immunocytochemistry/Immunofluorescence: PHGDH Antibody (CL0555) [NBP2-52939] - Staining of MCF7 cells using the Anti-PHGDH monoclonal antibody, showing specific staining in the cytosol and the plasma membrane in green. Microtubule- and nuclear probes are visualized in red and blue, respectively (where available).



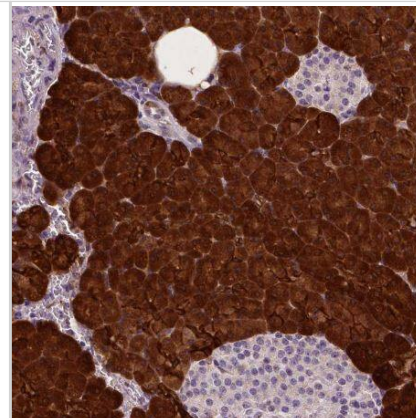
Immunohistochemistry-Paraffin: PHGDH Antibody (CL0555) [NBP2-52939] -Analysis in human pancreas and skeletal muscle tissues using NBP2-52939 antibody. Corresponding PHGDH RNA-seq data are presented for the same tissues.



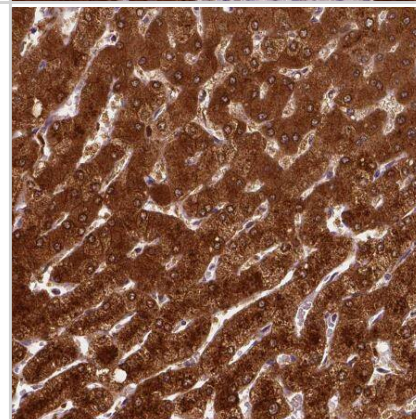
Western Blot: PHGDH Antibody (CL0555) [NBP2-52939] - Lane 1: Marker [kDa], Lane 2: Human cell line HeLa cytoplasmic fraction, Lane 3: Human cell line HeLa membrane fraction, Lane 4: Human cell line HeLa nuclear fraction, Lane 5: Human cell line HeLa chromatin fraction, Lane 6: Human cell line HeLa cytos



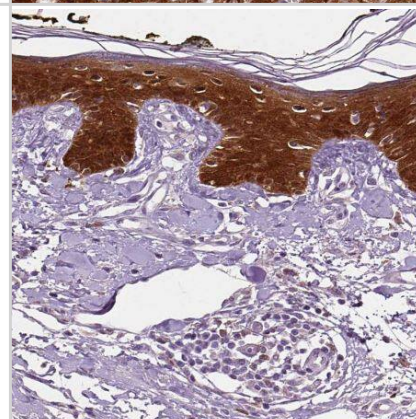
Immunohistochemistry-Paraffin: PHGDH Antibody (CL0555) [NBP2-52939] -Staining of human pancreas shows strong cytoplasmic positivity in exocrine glandular cells.



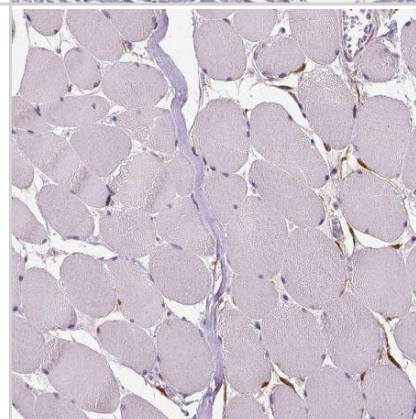
Immunohistochemistry-Paraffin: PHGDH Antibody (CL0555) [NBP2-52939] -Staining of human liver shows strong cytoplasmic positivity in hepatocytes.



Immunohistochemistry-Paraffin: PHGDH Antibody (CL0555) [NBP2-52939] -Staining of human skin shows strong cytoplasmic positivity in squamous epithelial cells.



Immunohistochemistry-Paraffin: PHGDH Antibody (CL0555) [NBP2-52939] -Staining of human skeletal muscle shows no positivity in myocytes as expected.



Publications

Toshihide Kashihara, Risa Mukai, Shin-ichi Oka, Peiyong Zhai, Yasuki Nakada, Zhi Yang, Wataru Mizushima, Tsutomu Nakahara, Junco S. Warren, Maha Abdellatif, Junichi Sadoshima YAP mediates compensatory cardiac hypertrophy through aerobic glycolysis in response to pressure overload The Journal of Clinical Investigation 2022-03-15 [PMID: 35133975]



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Products Related to NBP2-52939

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)
NBP1-87310PEP	PHGDH Recombinant Protein Antigen

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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