

Product Datasheet

PHGDH Antibody (CL0555) - Azide and BSA Free NBP3-43966

Unit Size: 100 ug

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

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NBP3-43966

PHGDH Antibody (CL0555) - Azide and BSA Free

Product Information	
Unit Size	100 ug
Concentration	LYOPH mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	CL0555
Preservative	No Preservative
Reconstitution Instructions	Centrifuge the vial of lyophilized antibody at 12,000 x g for 20 seconds. Reconstitute by adding sterile, distilled water to achieve a final antibody concentration of 1mg/ml.
Isotype	IgG1
Purity	Protein A purified
Buffer	Lyophilized from a 0.2 um filtered solution in PBS with Trehalose

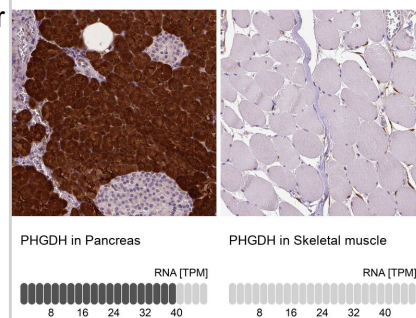
Product Description	
Description	Novus Biologicals Mouse PHGDH Antibody (CL0555) - Azide and BSA Free (NBP2-52939) is a monoclonal antibody validated for use in IHC, WB and ICC/IF. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	26227
Gene Symbol	PHGDH
Species	Human
Immunogen	This antibody was generated using a recombinant protein sequence of O43175, with the exact immunogen sequence remaining proprietary.

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

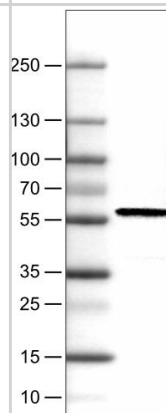


Images

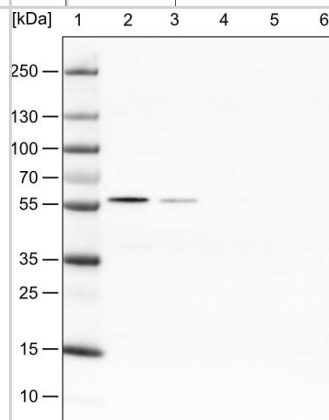
Analysis in human pancreas and skeletal muscle tissues using NBP3-43966 antibody. Corresponding PHGDH RNA-seq data are presented for the same tissues.



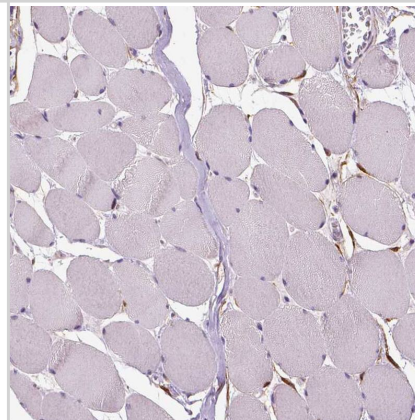
Lane 1: Marker [kDa]
Lane 2: Human cell line RT-4



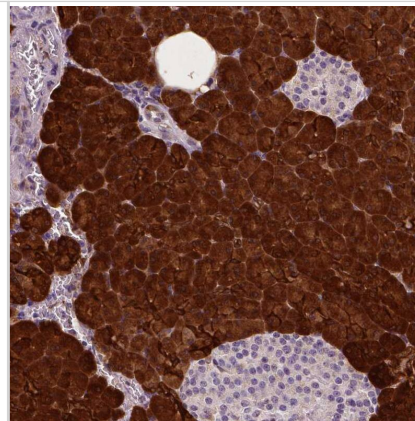
Lane 1: Marker [kDa]
Lane 2: Human cell line HeLa cytoplasmic fraction
Lane 3: Human cell line HeLa membrane fraction
Lane 4: Human cell line HeLa nuclear fraction
Lane 5: Human cell line HeLa chromatin fraction
Lane 6: Human cell line HeLa cytoskeletal fraction



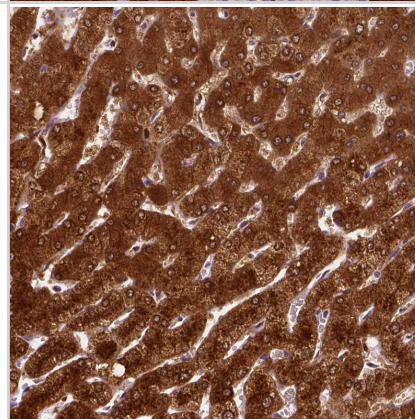
Staining of human skeletal muscle shows no positivity in myocytes as expected.



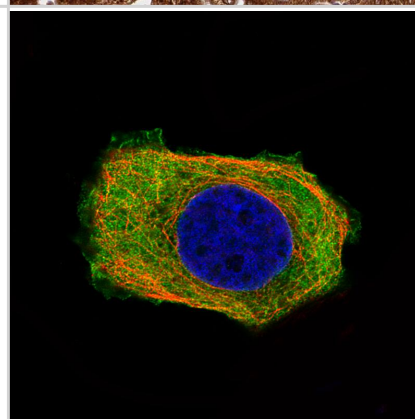
Staining of human pancreas shows strong cytoplasmic positivity in exocrine glandular cells.



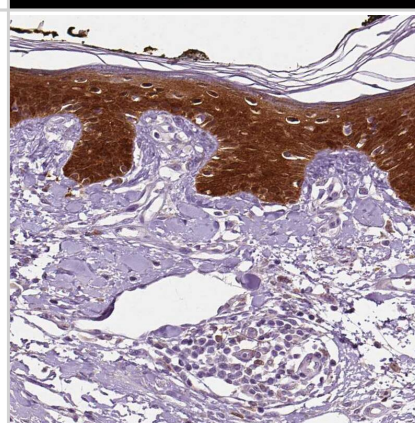
Staining of human liver shows strong cytoplasmic positivity in hepatocytes.



Staining of MCF7 cells using the Anti-PHGDH monoclonal antibody).



Staining of human skin shows strong cytoplasmic positivity in squamous epithelial cells.





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Products Related to NBP3-43966

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)

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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