

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 |

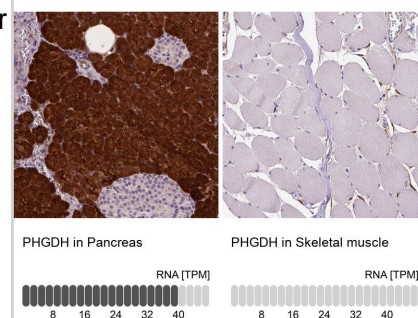
| Product Description | |
|---------------------|---|
| Description | Novus Biologicals Mouse PHGDH Antibody (CL0555) - Azide and BSA Free (NBP2-52939) is a monoclonal antibody validated for use in IHC, WB and ICC/IF. All Novus Biologicals antibodies are covered by our 100% guarantee. |
| Host | Mouse |
| 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. |

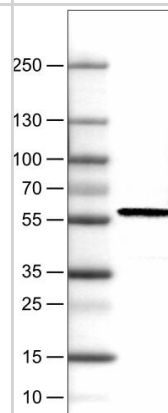


Images

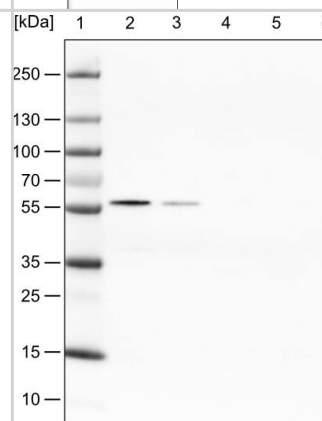
Analysis in human pancreas and skeletal muscle tissues using NBP3-43966 antibody. Corresponding PHGDH RNA-seq data are presented for the same tissues.



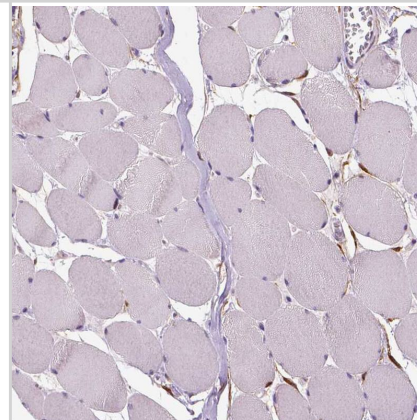
Lane 1: Marker [kDa]
Lane 2: Human cell line RT-4



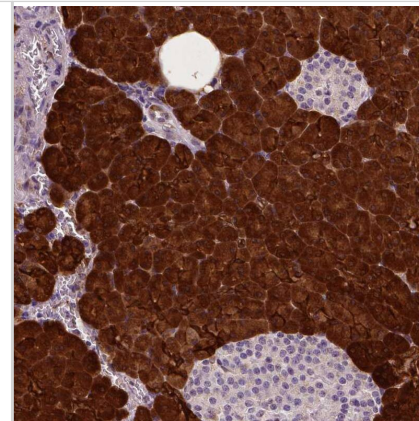
Lane 1: Marker [kDa]
Lane 2: Human cell line HeLa cytoplasmic fraction
Lane 3: Human cell line HeLa membrane fraction
Lane 4: Human cell line HeLa nuclear fraction
Lane 5: Human cell line HeLa chromatin fraction
Lane 6: Human cell line HeLa cytoskeletal fraction



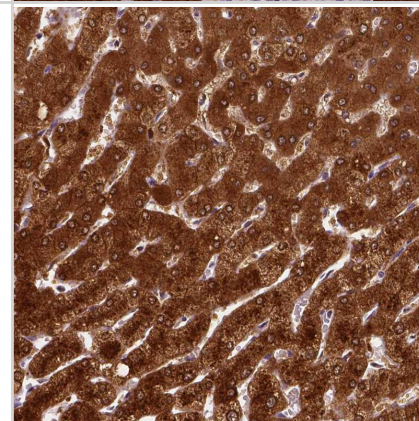
Staining of human skeletal muscle shows no positivity in myocytes as expected.



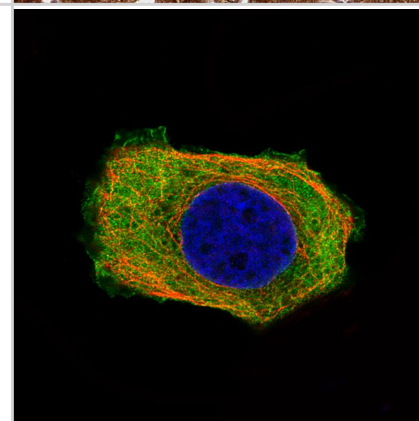
Staining of human pancreas shows strong cytoplasmic positivity in exocrine glandular cells.



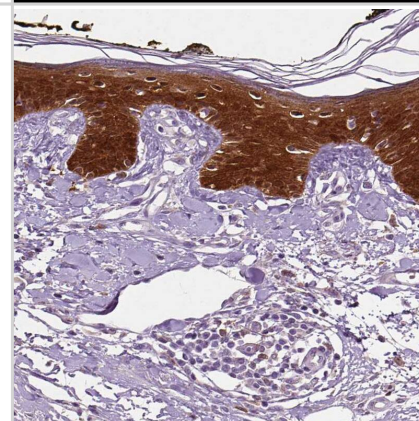
Staining of human liver shows strong cytoplasmic positivity in hepatocytes.



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

| | |
|------------------|---|
| 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) |
| NBP1-87311PEP | 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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