

Product Datasheet

PYGL Antibody - BSA Free NBP1-86182

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: 2

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Updated 9/9/2025 v.20.1

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NBP1-86182

PYGL 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	Immunogen affinity purified
Buffer	PBS (pH 7.2) and 40% Glycerol

Product Description

Description	Novus Biologicals Rabbit PYGL Antibody - BSA Free (NBP1-86182) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. Anti-PYGL Antibody: Cited in 2 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	5836
Gene Symbol	PYGL
Species	Human
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: MRIDDVAALDKKGYEAKEYYEALPELKLVIDQIDNGFFSPKQPDLFKDIINMLFY HDRFKVFADYEAYVKCQDKVSQLYMNPKAWNTMVLKNIAASGKFSSDRTIKEY AQNIWNVEPSD

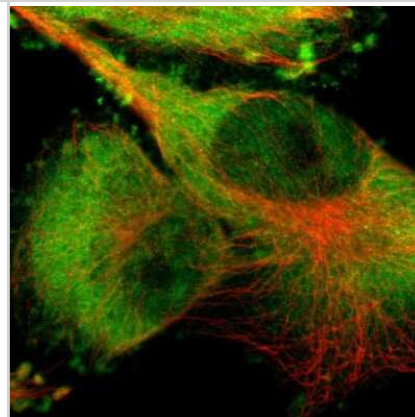
Product Application Details

Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
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
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF Fixation Permeabilization: Use PFA/Triton X-100.

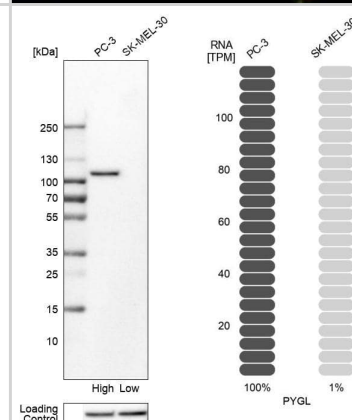


Images

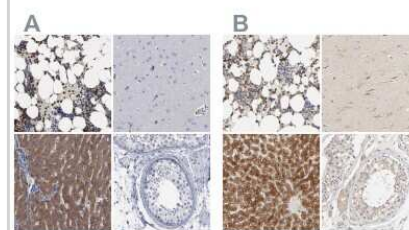
Immunocytochemistry/Immunofluorescence: PYGL Antibody [NBP1-86182] - Staining of human cell line U-251 MG shows localization to nucleoplasm, plasma membrane & cytosol. Antibody staining is shown in green.



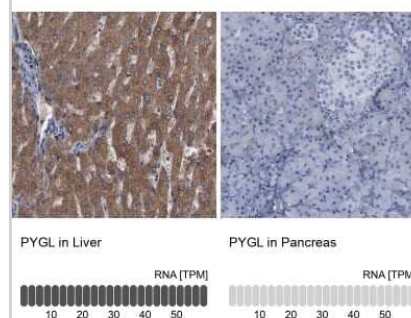
Analysis in human cell lines PC-3 and SK-MEL-30 using Anti-PYGL antibody. Corresponding PYGL RNA-seq data are presented for the same cell lines. Loading control: Anti-HSP90B1.



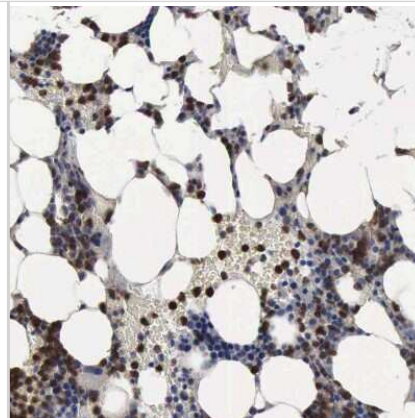
Immunohistochemistry-Paraffin: PYGL Antibody [NBP1-86182] - Staining of human bone marrow, cerebral cortex, liver and testis using Anti-PYGL antibody (A) NBP1-86182 shows similar protein distribution across tissues to independent antibody NBP1-86147 (B).



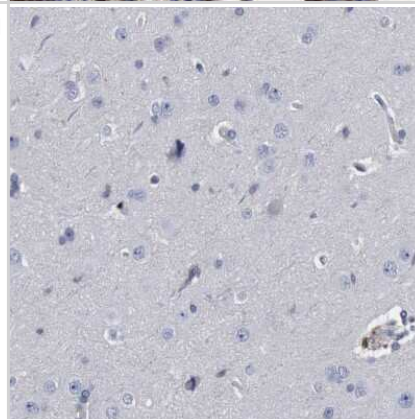
Immunohistochemistry-Paraffin: PYGL Antibody [NBP1-86182] - Analysis in human liver and pancreas tissues. Corresponding PYGL RNA-seq data are presented for the same tissues.



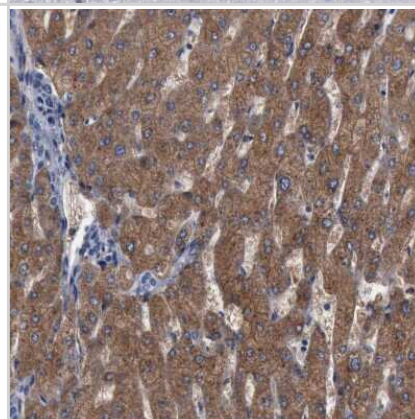
Immunohistochemistry-Paraffin: PYGL Antibody [NBP1-86182] - Staining of human bone marrow shows strong cytoplasmic positivity in hematopoietic cells.



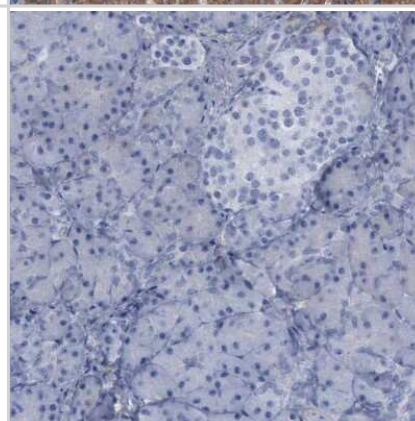
Immunohistochemistry-Paraffin: PYGL Antibody [NBP1-86182] - Staining of human cerebral cortex shows no positivity in neurons.



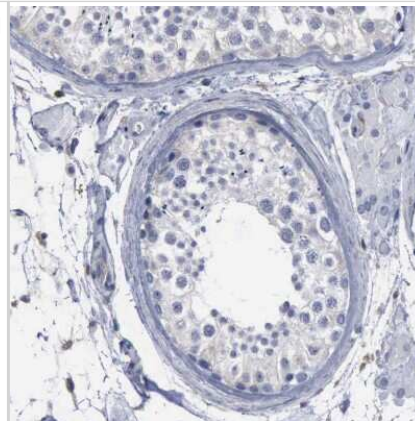
Immunohistochemistry-Paraffin: PYGL Antibody [NBP1-86182] - Staining of human liver shows strong cytoplasmic positivity in hepatocytes.



Immunohistochemistry-Paraffin: PYGL Antibody [NBP1-86182] - Staining of human pancreas shows no positivity in exocrine glandular cells.



Immunohistochemistry-Paraffin: PYGL Antibody [NBP1-86182] - Staining of human testis shows no positivity in cells in seminiferous ducts.



Publications

Shu Y, Zou C, Cai Y et al. Vitamin C deficiency induces hypoglycemia and cognitive disorder through S-nitrosylation-mediated activation of glycogen synthase kinase 3 beta Redox biology 2022-08-08 [PMID: 35969998] (WB)

Details:

Dilutions: 1:1000

Nogales-Gadea G, Mormeneo E, Garcia-Consuegra I et al. Expression of glycogen phosphorylase isoforms in cultured muscle from patients with McArdle's disease carrying the p.R771PfsX33 PYGM mutation. PLoS One 2010-10-01 [PMID: 20957198]



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Products Related to NBP1-86182

NBP1-86182PEP	PYGL Recombinant Protein Antigen
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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