

# 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 2/21/2025 v.20.1

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**NBP1-86182**

PYGL Antibody - BSA Free

**Product Information**

<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.02% Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	Immunogen affinity purified
<b>Buffer</b>	PBS (pH 7.2) and 40% Glycerol

**Product Description**

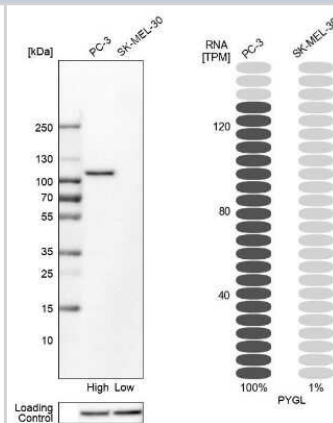
<b>Host</b>	Rabbit
<b>Gene ID</b>	5836
<b>Gene Symbol</b>	PYGL
<b>Species</b>	Human
<b>Immunogen</b>	This antibody was developed against Recombinant Protein corresponding to amino acids: MRIDDVAALDKKGYEAKKEYEALPELKLVIDQIDNGFFSPKQPDLFKDIINMLFY HDRFKVFADYEAYVKCQDKVSQLYMNPKAWNTMVLKNIAASGKFSSDRTIKEY AQNIWNVEPSD

**Product Application Details**

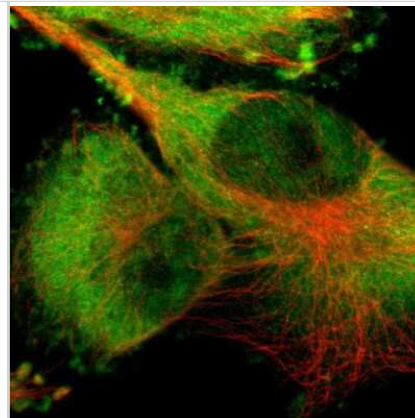
<b>Applications</b>	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
<b>Recommended Dilutions</b>	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:500 - 1:1000, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:500 - 1:1000
<b>Application Notes</b>	For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF Fixation Permeabilization: Use PFA/Triton X-100.

**Images**

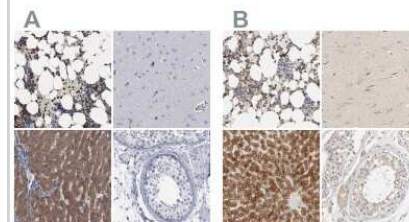
Western Blot: PYGL Antibody [NBP1-86182] - Analysis in human cell lines PC-3 and SK-MEL-30 using Anti-PYGL antibody. Corresponding PYGL RNA-seq data are presented for the same cell lines. Loading control: Anti-HSP90B1.



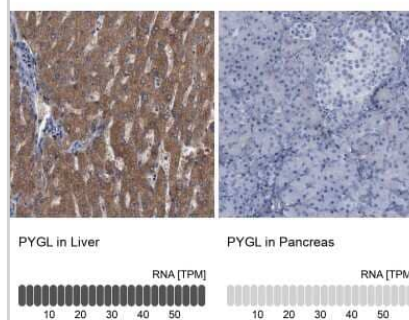
**Immunocytochemistry/Immunofluorescence: PYGL Antibody [NBP1-86182]** - Staining of human cell line U-251 MG shows localization to nucleoplasm, plasma membrane & cytosol. Antibody staining is shown in green.



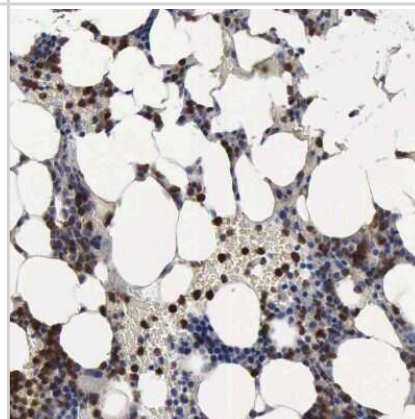
**Immunohistochemistry-Paraffin: PYGL Antibody [NBP1-86182]** - Staining of human bone marrow, cerebral cortex, liver and testis using Anti-PYGL antibody (A) NBP1-86182 shows similar protein distribution across tissues to independent antibody NBP1-86147 (B).



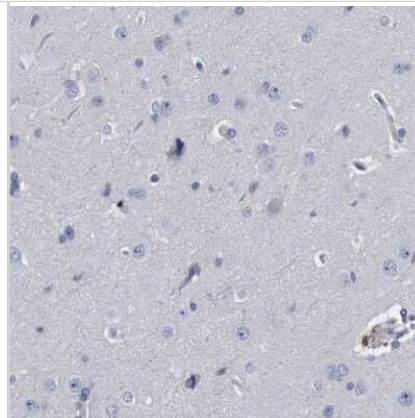
**Immunohistochemistry-Paraffin: PYGL Antibody [NBP1-86182]** - Analysis in human liver and pancreas tissues. Corresponding PYGL RNA-seq data are presented for the same tissues.



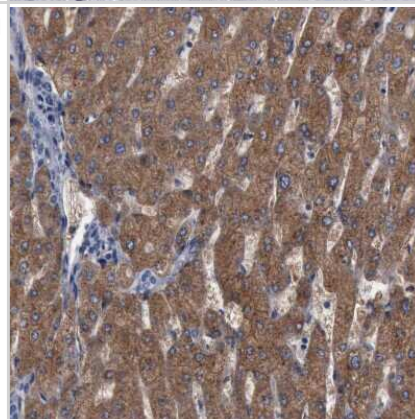
**Immunohistochemistry-Paraffin: PYGL Antibody [NBP1-86182]** - Staining of human bone marrow shows strong cytoplasmic positivity in hematopoietic cells.



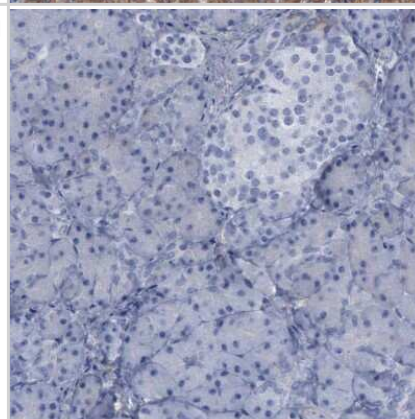
Immunohistochemistry-Paraffin: PYGL Antibody [NBP1-86182] - Staining of human cerebral cortex shows no positivity in neurons.



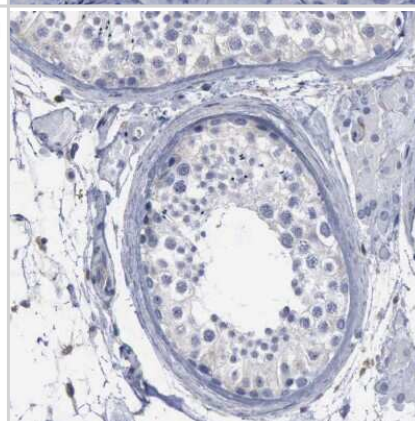
Immunohistochemistry-Paraffin: PYGL Antibody [NBP1-86182] - Staining of human liver shows strong cytoplasmic positivity in hepatocytes.



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**

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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

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### **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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