

# Product Datasheet

## PGAM5 Antibody - BSA Free

### NBP1-92257

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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Updated 9/9/2025 v.20.1

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**NBP1-92257**

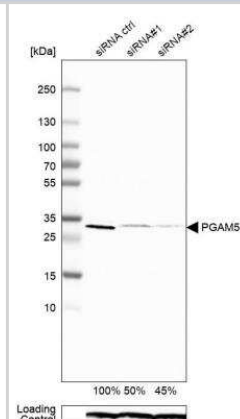
PGAM5 Antibody - BSA Free

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
Target Molecular Weight	32 kDa
Product Description	
Description	Novus Biologicals Rabbit PGAM5 Antibody - BSA Free (NBP1-92257) is a polyclonal antibody validated for use in IHC, WB, ICC/IF and Simple Western. Anti-PGAM5 Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	192111
Gene Symbol	PGAM5
Species	Human
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: NWDRREPLSLINVRKRNVESGEEELASKLDHYKAKATRHIFLRHSQYHVDGSL EKDRTLPLGREQAELTGLRLASLGLKFNKIV
Product Application Details	
Applications	Western Blot, Simple Western, Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Knockdown Validated
Recommended Dilutions	Western Blot 0.04-0.4 ug/ml, Simple Western 1:60, Immunohistochemistry 1:200 - 1:500, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:200 - 1:500, Knockdown Validated
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF Fixation Permeabilization: Use PFA/Triton X-100.  In Simple Western only 10 - 15 uL of the recommended dilution is used per data point. See <a href="#">Simple Western Antibody Database</a> for Simple Western validation: Tested in RT-4, separated by Size, antibody dilution of 1:60, apparent MW was 38 kDa. Separated by Size-Wes, Sally Sue/Peggy Sue.

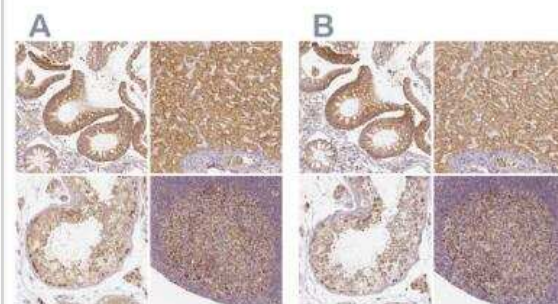


## Images

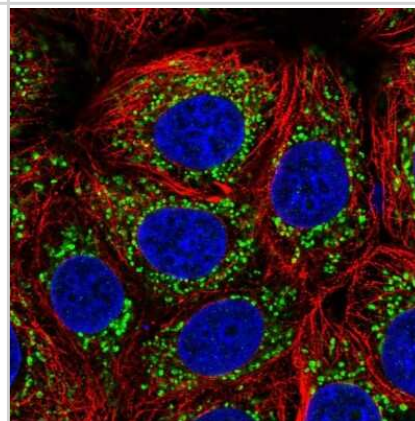
Western Blot: PGAM5 Antibody [NBP1-92257] - Analysis in RT-4 cells transfected with control siRNA, target specific siRNA probe #1 and #2. Remaining relative intensity is presented. Loading control: Anti-PPIB.



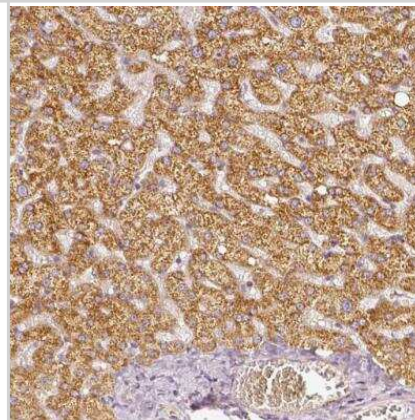
Immunohistochemistry-Paraffin: PGAM5 Antibody [NBP1-92257] - Staining of human colon, liver, testis and tonsil using Anti-PGAM5 antibody NBP1-92257 (A) shows similar protein distribution across tissues to independent antibody NBP1-92258 (B).



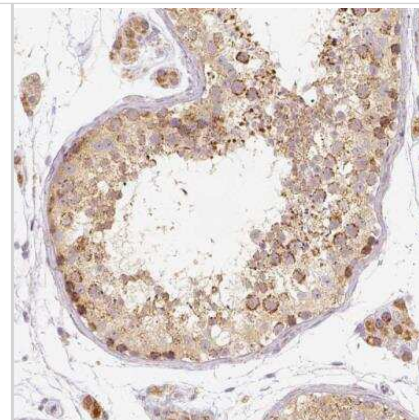
Immunocytochemistry/Immunofluorescence: PGAM5 Antibody [NBP1-92257] - Staining of human cell line MCF7 shows localization to mitochondria. Antibody staining is shown in green.



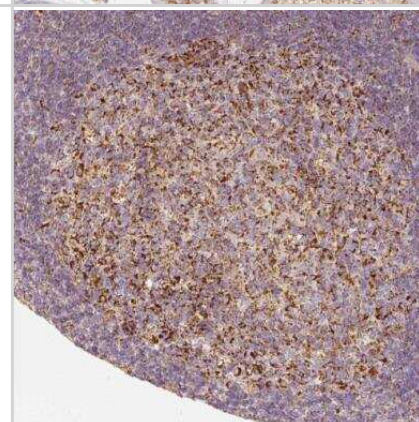
Immunohistochemistry-Paraffin: PGAM5 Antibody [NBP1-92257] - Staining of human liver shows moderate granular cytoplasmic positivity in hepatocytes.



Immunohistochemistry-Paraffin: PGAM5 Antibody [NBP1-92257] - Staining of human testis shows moderate granular cytoplasmic positivity in cells in seminiferous ducts.



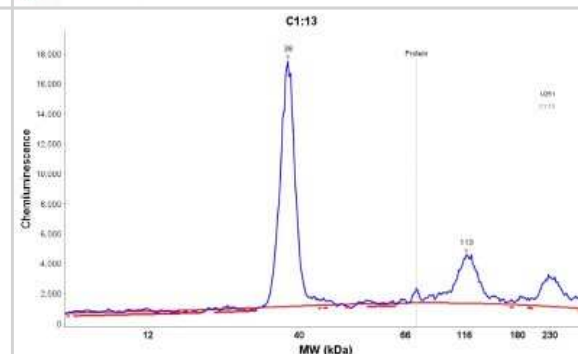
Immunohistochemistry-Paraffin: PGAM5 Antibody [NBP1-92257] - Staining of human tonsil shows moderate granular cytoplasmic positivity in germinal center cells



Simple Western: PGAM5 Antibody [NBP1-92257] - Simple Western lane view shows a specific band for PGAM5 in 0.2 mg/ml of RT-4 lysate. This experiment was performed under reducing conditions using the 12-230 kDa separation system.

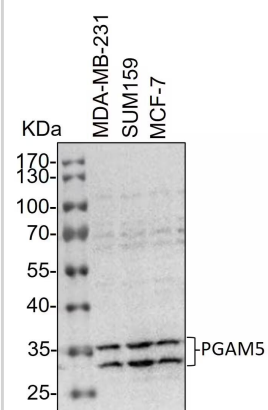


Simple Western: PGAM5 Antibody [NBP1-92257] - Electropherogram image(s) of corresponding Simple Western lane view. PGAM5 antibody was used at 1:60 dilution on RT-4 lysate(s).

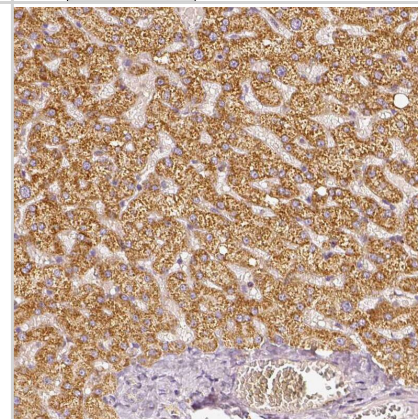




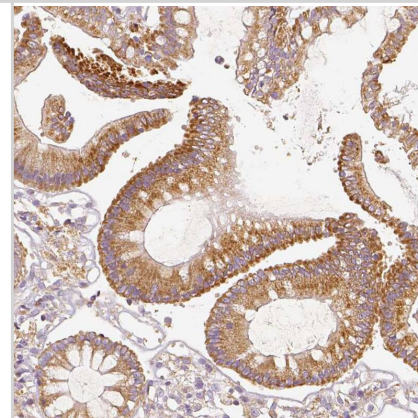
Western Blot: Rabbit Polyclonal PGAM5 Antibody [NBP1-92257] - Whole cell lysates from MDA-MB-231, SUM159 and MCF-7 cells were loaded with 50 ug/lane. 10% SDS-PAGE. PGAM5 Antibody (NBP1-92257) was used for primary antibody: 1:1000, 4C, overnight. Image from a verified customer review.



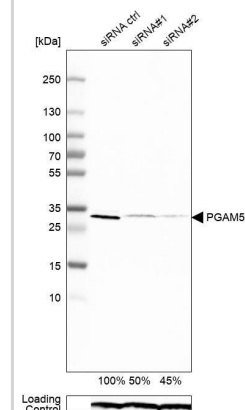
Staining of human liver shows moderate granular cytoplasmic positivity in hepatocytes.



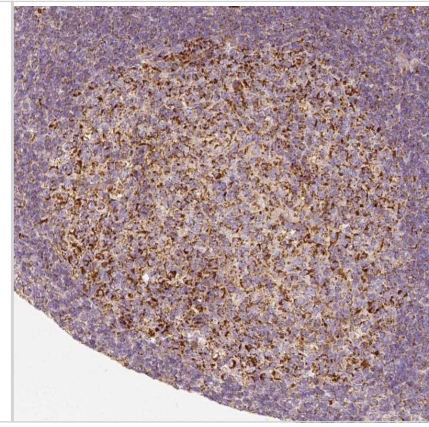
Staining of human colon shows moderate granular cytoplasmic positivity in glandular cells.



Analysis in RT-4 cells transfected with control siRNA, target specific siRNA probe #1 and #2. Remaining relative intensity is presented. Loading control: Anti-PPIB.



Staining of human tonsil shows moderate granular cytoplasmic positivity in germinal center cells.



## Publications

Marzio A, Kurz E, Sahni JM et al. EMSY inhibits homologous recombination repair and the interferon response, promoting lung cancer immune evasion Cell 2022-01-06 [PMID: 34963055] (WB, Human)



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### **Products Related to NBP1-92257**

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NBP1-92257PEP	PGAM5 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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