

# Product Datasheet

## Phosphoglucomutase 5 Antibody - BSA Free NBP2-62654

Unit Size: 100 ul

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 2/23/2025 v.20.1

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**NBP2-62654**

Phosphoglucomutase 5 Antibody - BSA Free

**Product Information**

<b>Unit Size</b>	100 ul
<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>	Protein A purified
<b>Buffer</b>	PBS (pH 7.2) and 40% Glycerol

**Product Description**

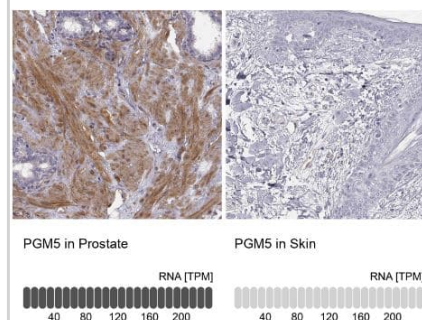
<b>Host</b>	Rabbit
<b>Gene ID</b>	5239
<b>Gene Symbol</b>	PGM5
<b>Species</b>	Human
<b>Reactivity Notes</b>	Rat (89%)
<b>Immunogen</b>	This antibody was developed against a recombinant protein corresponding to amino acids: KDGLWAVLVWLSIIAARKQSVEEIVRDHWAKFGRHYICRFDYEGLDPKTTYIIM RDLEALVTDKSFQGGFAVGSVSVAKTDS

**Product Application Details**

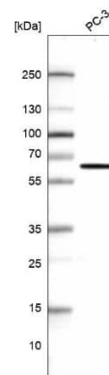
<b>Applications</b>	Western Blot, Immunohistochemistry, Immunohistochemistry-Paraffin
<b>Recommended Dilutions</b>	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:200 - 1:500, Immunohistochemistry-Paraffin 1:200 - 1:500
<b>Application Notes</b>	For IHC-Paraffin, HIER pH 6 retrieval is recommended.

**Images**

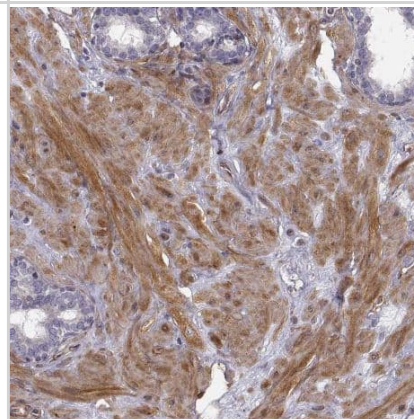
Immunohistochemistry-Paraffin: Phosphoglucomutase 5 Antibody [NBP2-62654] -Analysis in human prostate and skin tissues using NBP2-62654 antibody. Corresponding PGM5 RNA-seq data are presented for the same tissues.



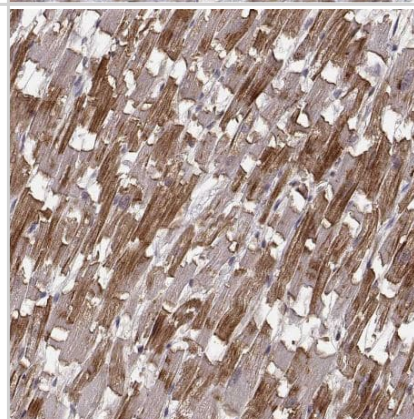
Western Blot: Phosphoglucomutase 5 Antibody [NBP2-62654] -Analysis in human cell line PC-3.



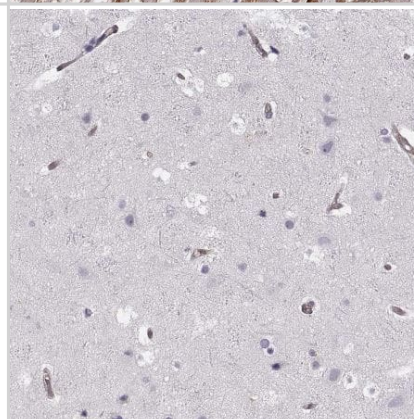
Immunohistochemistry-Paraffin: Phosphoglucomutase 5 Antibody [NBP2-62654] -Staining of human prostate shows moderate cytoplasmic positivity in smooth muscle cells.



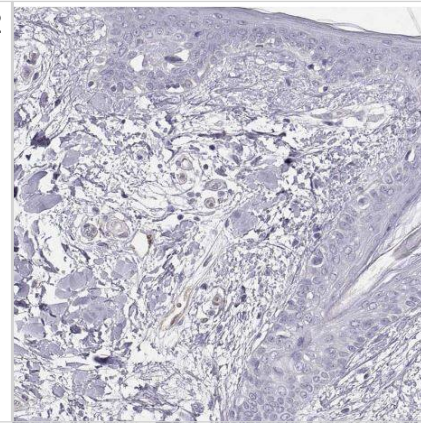
Immunohistochemistry-Paraffin: Phosphoglucomutase 5 Antibody [NBP2-62654] -Staining of human heart muscle shows strong cytoplasmic positivity in cardiomyocytes.



Immunohistochemistry-Paraffin: Phosphoglucomutase 5 Antibody [NBP2-62654] -Staining of human cerebral cortex shows weak cytoplasmic positivity in endothelial cells.



Immunohistochemistry-Paraffin: Phosphoglucomutase 5 Antibody [NBP2-62654] -Staining of human skin shows negative positivity in squamous epithelial cells as expected.



## Publications

Sun J, Wang F, Zhou H et al. Downregulation of PGM5 expression correlates with tumor progression and poor prognosis in human prostate cancer Discover. Oncology 2022-07-12 [PMID: 35819729]



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### **Products Related to NBP2-62654**

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NBP2-62654PEP	Phosphoglucosyltransferase 5 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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