

Product Datasheet

Glucose 6 Phosphate Dehydrogenase Antibody - BSA Free NBP1-89805

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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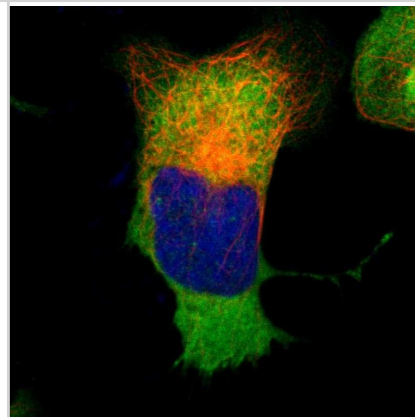
NBP1-89805**Glucose 6 Phosphate Dehydrogenase Antibody - BSA Free**

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 Glucose 6 Phosphate Dehydrogenase Antibody - BSA Free (NBP1-89805) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. Anti-Glucose 6 Phosphate Dehydrogenase Antibody: Cited in 2 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	2539
Gene Symbol	G6PD
Species	Human
Marker	Cytosol Marker
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: EVR LQFH D VAG DIF H Q Q C K R N E L V I R V Q P N E A V Y T K M M T K K P G M F F N P E E S E L D L T Y G N R Y K N V K L P D A Y E R L I L D V F C G S Q M H F V R S D E L R E A W R I F T P L L H Q I E L E K P
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.

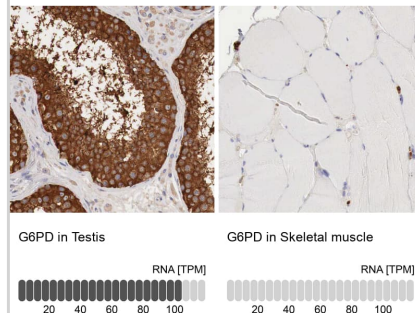


Images

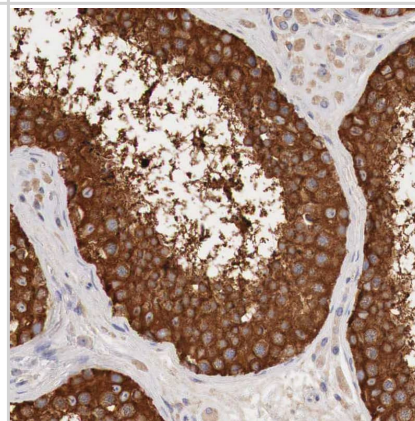
Staining of human cell line U-2 OS shows localization to cytosol.



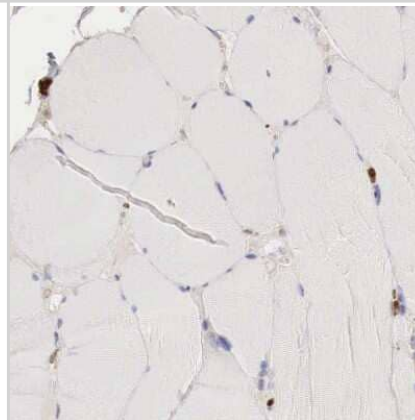
Analysis in human testis and skeletal muscle tissues using NBP1-89805 antibody. Corresponding G6PD RNA-seq data are presented for the same tissues.



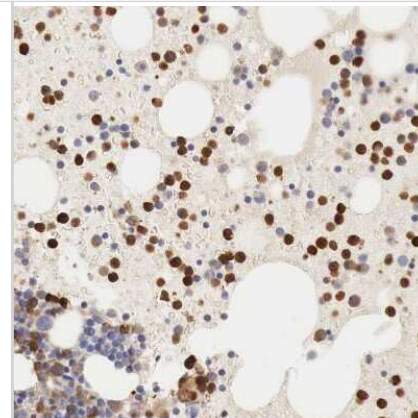
Staining of human testis shows strong cytoplasmic positivity in cells in seminiferous ducts.



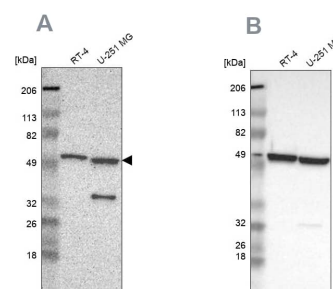
Immunohistochemistry-Paraffin: Glucose 6 Phosphate Dehydrogenase Antibody [NBP1-89805] - Staining of human skeletal muscle shows no positivity in myocytes.



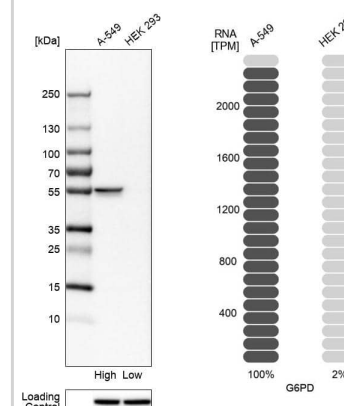
Immunohistochemistry-Paraffin: Glucose 6 Phosphate Dehydrogenase Antibody [NBP1-89805] - Staining of human bone marrow shows strong cytoplasmic positivity in hematopoietic cells.



Analysis using Anti-G6PD antibody NBP1-89805 (A) shows similar pattern to independent antibody NBP1-89804 (B).



Analysis in human cell lines A-549 and HEK293 using Anti-G6PD antibody. Corresponding G6PD RNA-seq data are presented for the same cell lines. Loading control: Anti-HSP90B1.



Publications

Rimmer L, Geisbrecht E, Chao M et al. Investigating the metabolic changes that accompany skeletal muscle maturation Physiology 2023-05-01

Rimmer L Investigating the metabolic changes that accompany skeletal muscle hypertrophy Thesis 2023-01-01 (Western Blot)

Stadler C, Rexhepaj E, Singan VR et al. Immunofluorescence and fluorescent-protein tagging show high correlation for protein localization in mammalian cells. Nat Methods 2013-04-01 [PMID: 23435261]

Dammeyer P, Arner ES., et al. Human Protein Atlas of redox systems - What can be learnt? Biochim Biophys Acta 2010-07-18 [PMID: 20647035]



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Products Related to NBP1-89805

NBP1-89805PEP	Glucose 6 Phosphate Dehydrogenase 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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