

Product Datasheet

Glucose 6 Phosphate Dehydrogenase Antibody - BSA Free NBP1-89804

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

www.novusbio.com



technical@novusbio.com

Publications: 3

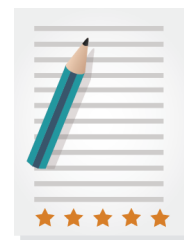
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NBP1-89804**Glucose 6 Phosphate Dehydrogenase Antibody - BSA Free**

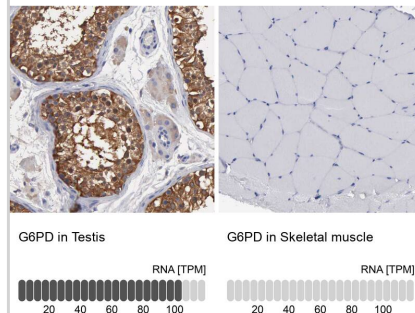
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Affinity purified
Buffer	PBS (pH 7.2) and 40% Glycerol
Target Molecular Weight	59 kDa
Product Description	
Description	Novus Biologicals Rabbit Glucose 6 Phosphate Dehydrogenase Antibody - BSA Free (NBP1-89804) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. Anti-Glucose 6 Phosphate Dehydrogenase Antibody: Cited in 3 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: FQGDAFHQSDTHIFIIMGASGDLAKKKIYPTIWWLFRDGLLPENTFIVGYARSRL TVADIRKQSEPPFKATPEEKLEKLEDFFARNYSYVAGQYDDAASYQRLNSHMNAL H
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:2500 - 1:5000, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:2500 - 1:5000
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF Fixation Permeabilization: Use PFA/Triton X-100.

Images

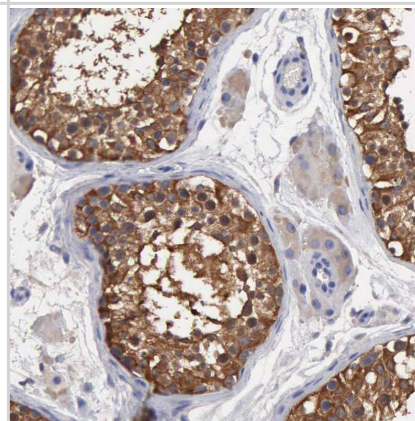
Staining of human cell line U-2 OS shows positivity in cytoplasm.



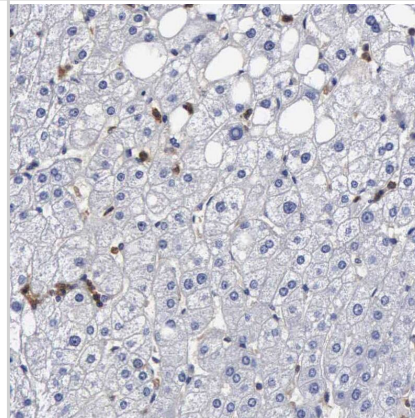
Analysis in human testis and skeletal muscle tissues using NBP1-89804 antibody. Corresponding G6PD RNA-seq data are presented for the same tissues.



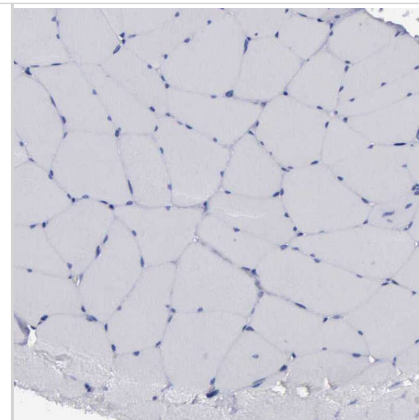
Staining of human testis shows strong cytoplasmic positivity in cells in seminiferous ducts.



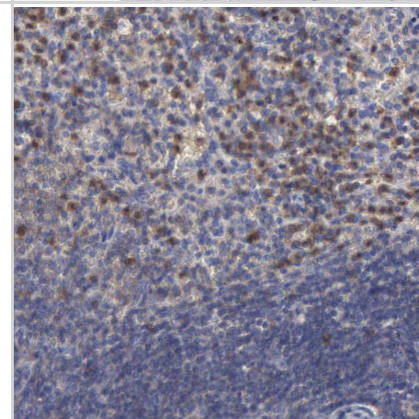
Staining of human liver shows moderate to strong cytoplasmic positivity in Kupffer cells.



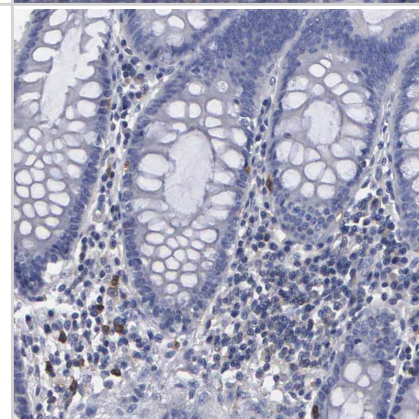
Staining of human skeletal muscle shows no cytoplasmic positivity in myocytes as expected.



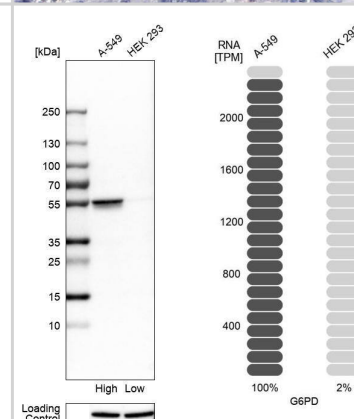
Staining of human spleen shows moderate cytoplasmic positivity in lymphoid cells.



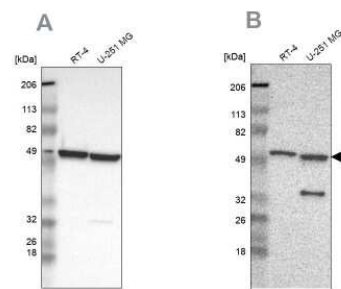
Staining of human colon shows moderate cytoplasmic positivity in a subset of lymphoid cells.



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.



Western Blot: Glucose 6 Phosphate Dehydrogenase Antibody [NBP1-89804] - Analysis using Anti-G6PD antibody NBP1-89804 (A) shows similar pattern to independent antibody NBP1-89805 (B).



Publications

Guantes R, Rastrojo A, Neves R et al. Global variability in gene expression and alternative splicing is modulated by mitochondrial content. *Genome Res* 2015-05-01 [PMID: 25800673]

Du W, Jiang P, Mancuso A et al. TAp73 enhances the pentose phosphate pathway and supports cell proliferation. *Nat Cell Biol* 2013-08-01 [PMID: 23811687]

Kato BS, Nicholson G, Neiman M et al. Variance decomposition of protein profiles from antibody arrays using a longitudinal twin model. *Proteome Sci* 2011-11-17 [PMID: 22093360]



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Products Related to NBP1-89804

NBP1-89804PEP	Glucose 6 Phosphate Dehydrogenase Recombinant Protein Antigen
NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
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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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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