

Product Datasheet

Glucose 6 Phosphate Dehydrogenase Antibody NB100-60954

Unit Size: 0.1 mg

Store at -20C. Avoid freeze-thaw cycles.

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NB100-60954**Glucose 6 Phosphate Dehydrogenase Antibody**

Product Information	
Unit Size	0.1 mg
Concentration	0.5 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	Tris saline (20 mM Tris pH 7.3, 150 mM NaCl), 0.5% BSA

Product Description	
Host	Goat
Gene ID	2539
Gene Symbol	G6PD
Species	Human
Marker	Cytosol Marker
Specificity/Sensitivity	This antibody is expected to recognize both reported isoforms (NP_000393.4 and NP_001035810.1).
Immunogen	Peptide with sequence C-STNSDDVRDEKVK, from the internal region of the protein sequence according to NP_000393.4 ; NP_001035810.1.

Product Application Details	
Applications	Western Blot, Immunohistochemistry, Immunohistochemistry-Paraffin, Peptide ELISA
Recommended Dilutions	Western Blot 0.03 - 0.1 ug/mL, Immunohistochemistry, Immunohistochemistry-Paraffin 2.5 ug/mL, Peptide ELISA Detection limit 1:32000
Application Notes	WB: Approx 55-60kDa double band observed in Human Testis, Thyroid and Tonsil lysates (calculated MW of 62.5kDa according to NP_000393.4 and 59.3kDa according to NP_001035810.1). Primary incubation was 1 hour.

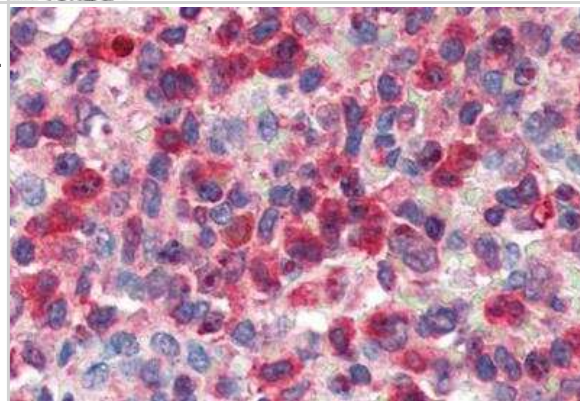


Images

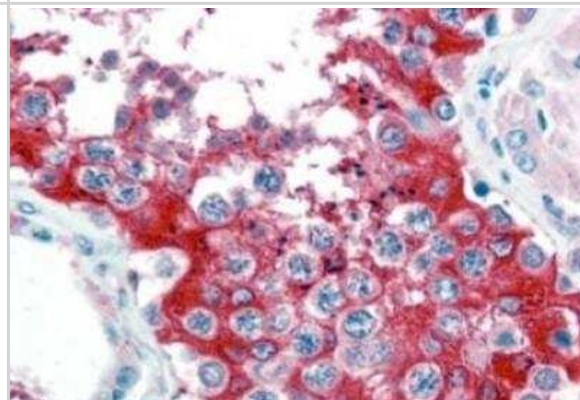
Western Blot: Glucose 6 Phosphate Dehydrogenase Antibody [NB100-60954] - Analysis of Human Testis lysate (35ug protein in RIPA buffer). Antibody at 0.03 ug/mL. Primary incubation was 1 hour. Detected by chemiluminescence.

250kDa
150kDa
100kDa
75kDa
50kDa
37kDa
25kDa
20kDa
15kDa

Immunohistochemistry-Paraffin: Glucose 6 Phosphate Dehydrogenase Antibody [NB100-60954] - Staining of paraffin embedded Human Spleen. Antibody at 2.5 ug/mL. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



Immunohistochemistry-Paraffin: Glucose 6 Phosphate Dehydrogenase Antibody [NB100-60954] - Staining of paraffin embedded Human Testis. Antibody at 2.5 ug/mL. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



Publications

Guindo A, Fairhurst RM, Doumbo OK et al. X-Linked G6PD Deficiency Protects Hemizygous Males but Not Heterozygous Females against Severe Malaria. PLoS Med 2007-03-13 [PMID: 17355169]



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Products Related to NB100-60954

NBL1-10899	Glucose 6 Phosphate Dehydrogenase Overexpression Lysate
HAF017	Rabbit anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
HAF109	Donkey anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
NB410-28088-1mg	Goat 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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