

Product Datasheet

DNA Polymerase gamma Antibody - BSA Free NBP1-52300

Unit Size: 0.05 ml

Keep as concentrated solution. Aliquot and store at -20C or below. Avoid multiple freeze-thaw cycles.

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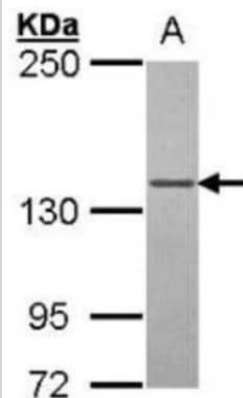


NBP1-52300**DNA Polymerase gamma Antibody - BSA Free**

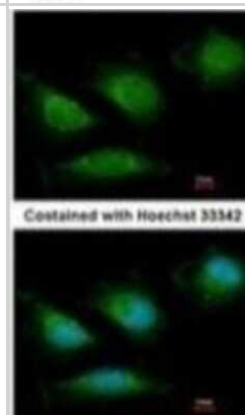
Product Information	
Unit Size	0.05 ml
Concentration	0.67 mg/ml
Storage	Keep as concentrated solution. Aliquot and store at -20C or below. Avoid multiple freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.025% Proclin 300
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	PBS (pH 7), 20% Glycerol
Target Molecular Weight	139.6 kDa
Product Description	
Description	Product can be stored undiluted at 4C for up to 1-2 weeks.
Host	Rabbit
Gene ID	5428
Gene Symbol	POLG
Species	Human, Mouse
Reactivity Notes	Use in Mouse reported in scientific literature (PMID:35121402).
Immunogen	Recombinant protein fragment containing a sequence corresponding to a region within amino acids 829 and 1201 of DNA Polymerase gamma.
Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunocytochemistry
Recommended Dilutions	Western Blot 1:1000-1:10000, Immunohistochemistry 10 ug/ml, Immunocytochemistry/ Immunofluorescence 1:100 - 1:200, Immunohistochemistry-Paraffin 10 ug/ml, Immunocytochemistry 1:100-1:200
Application Notes	.

Images

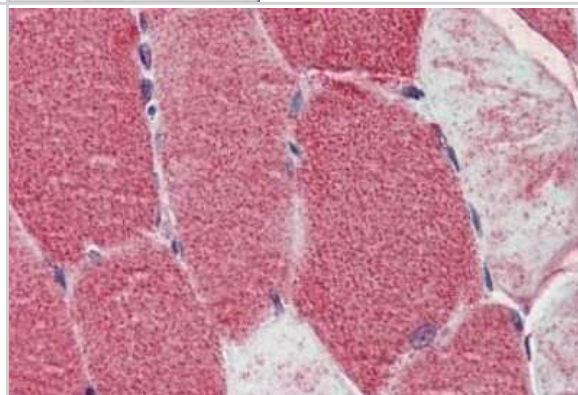
Western Blot: DNA Polymerase gamma Antibody [NBP1-52300] - Analysis of anti-POLG antibody with (30 ug of whole cell lysate). A: 293T. 5% SDS PAGE. POLG antibody diluted at 1:5000.



Immunocytochemistry/Immunofluorescence: DNA Polymerase gamma Antibody [NBP1-52300] - Analysis of anti-POLG antibody with methanol-fixed HeLa cell at 1:200 dilution.



Immunohistochemistry-Paraffin: DNA Polymerase gamma Antibody [NBP1-52300] - Analysis of anti-POLG antibody with human skeletal muscle at concentration 10 ug/ml.



Publications

Phillips AF, Millet AR, Tigano M et al. Single-Molecule Analysis of mtDNA Replication Uncovers the Basis of the Common Deletion Mol. Cell 2017-01-11 [PMID: 28111015]

Latino D, Chieffi Baccari G, Di Fiore MM et al. Autophagy and mitochondrial damage in the testis of high-fat diet fed rats General and comparative endocrinology 2022-08-13 [PMID: 35973585] (WB, Rat)

Details:

Dilution used for WB 1:1500

Shin J, Hong S, Choi S et al. Flow-induced endothelial mitochondrial remodeling mitigates mitochondrial reactive oxygen species production and promotes mitochondrial DNA integrity in a p53-dependent manner Redox Biology 2022-04-01 [PMID: 35121402] (WB, Mouse)

Li S, Guo J, Ying Z et al. Valproic acid-induced hepatotoxicity in alpers syndrome is associated with mPTP opening dependent apoptotic sensitivity in an iPSC model Hepatology. 2015-01-20 [PMID: 25605636] (WB, Human)

Wu Y, Li N, Zhang T et al. Mitochondrial DNA base excision repair and mitochondrial DNA mutation in human hepatic HuH-7 cells exposed to stavudine. Mutat Res 2009-05-12 [PMID: 19428378] (WB, Human)

Roos S, Macao B, Fuste JM et al. Subnormal levels of POLgammaA cause inefficient initiation of light-strand DNA synthesis and lead to mitochondrial DNA deletions and autosomal dominant progressive external ophthalmoplegia. Hum Mol Genet 2013-03-06 [PMID: 23446635] (WB, Human)





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Products Related to NBP1-52300

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP2-33800PEP	DNA Polymerase gamma Recombinant Protein Antigen

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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