

Rabbit DNA polymerase gamma Polyclonal Antibody | anti-DNA antibody

DNA polymerase gamma antibody

CATALOG #	HOST	APPLICATIONS
AAA107940	Rabbit	Western Blot, Immunohistochemistry, Immunocytochemistry, Immunofluorescence

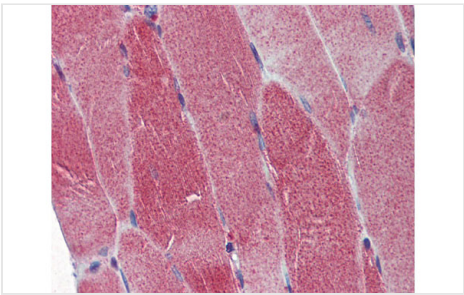
PRODUCT SYNONYMS

DNA polymerase gamma; Polyclonal Antibody; DNA polymerase gamma antibody; Polyclonal DNA polymerase gamma; Anti-DNA polymerase gamma; PolG-alpha; FLJ27114; MIRAS; MTDPS4A; PEO; POLG1; SANDO; MTDPS4B; MDP1; mitochondrial DNA polymerase catalytic subunit; PolG catalytic subunit; POLG; POLGA; SCAE; DNA polymerase subunit gamma-1; anti-DNA antibody

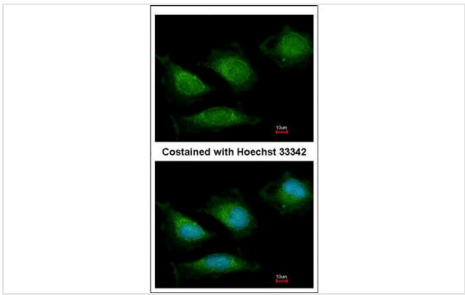
PRODUCT SPECIFICATIONS

Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	DNA polymerase gamma antibody was purified by antigen-affinity chromatography
Form/Format	Supplied as a concentrated solution containing 0.1M Tris, 0.1M Glycine, 20% Glycerol (pH 7.0). 0.01% Thimerosal was added as a preservative.
Concentration	0.67 mg/ml (varies by lot)
Sequence Length	1239
Applicable Applications for anti-DNA antibody	WB (Western Blot), IHC (Immunohistochemistry), ICC (Immunocytochemistry), IF (Immunofluorescence)
Biological Significance	Mitochondrial DNA polymerase is heterotrimeric, consisting of a homodimer of accessory subunits plus a catalytic subunit. The protein encoded by this gene is the catalytic subunit of mitochondrial DNA polymerase. The encoded protein contains a polyglutamine tract near its N-terminus that may be polymorphic. Defects in this gene are a cause of progressive external ophthalmoplegia with mitochondrial DNA deletions 1 (PEOA1), sensory ataxic neuropathy dysarthria and ophthalmoparesis (SANDO), Alpers-Huttenlocher syndrome (AHS), and mitochondrial neurogastrointestinal encephalopathy syndrome (MNGIE).
Cross-Reactivity	Human
Immunogen	DNA polymerase gamma antibody was raised in rabbit using a recombinant fragment corresponding to a region within amino acids 779 and 1231 of DNA polymerase gamma
Preparation and Storage	Store at 4 degree C for short term storage. Aliquot and store at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles.

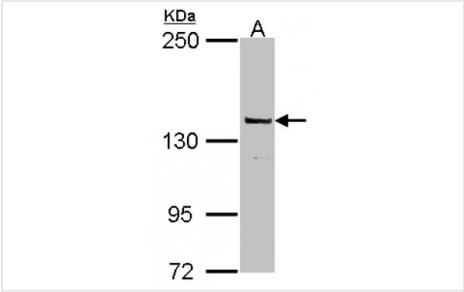
IMAGES



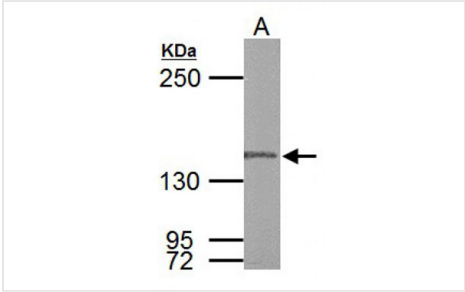
IHC (Immunohistochemistry)
Immunohistochemical staining of paraffin-embedded Skeletal Muscle using DNA polymerase gamma antibody



IF (Immunofluorescence)
Immunofluorescence analysis of methanol-fixed HeLa, using DNA polymerase gamma antibody at 1:200 dilution.



WB (Western Blot)
Western blot analysis of 30 ug of whole cell lysate (A: MCF-7) using a 5 % SDS PAGE gel and DNA polymerase gamma antibody at a dilution of 1:1000



WB (Western Blot)
Western blot analysis of A. 50 ug Rat testis lysate/extract using a 5 % SDS PAGE gel and DNA polymerase gamma antibody at a dilution of 1:1000

ADDITIONAL INFORMATION

Related Product Information for anti-DNA antibody	Affinity purified Rabbit polyclonal DNA polymerase gamma antibody
Product Categories/Family for anti-DNA antibody	Proteases ; Inhibitors ; & Enzymes ; Purified Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	1399956
NCBI GeneID	5428
UniProt Accession #	P54098 ; Q8NFM2 ; Q92515
Molecular Weight	140 kDa
NCBI Official Full Name	DNA polymerase gamma
NCBI Official Synonym Full Names	polymerase (DNA directed), gamma
NCBI Official Symbol	POLG
NCBI Official Synonym Symbols	PEO; MDP1; SCAE; MIRAS; POLG1; POLGA; SANDO; MTDPS4A; MTDPS4B
NCBI Protein Information	DNA polymerase subunit gamma-1
UniProt Protein Name	DNA polymerase subunit gamma-1
UniProt Gene Name	POLG
UniProt Synonym Gene Names	MDP1; POLG1; POLGA
UniProt Entry Name	DPOG1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/polyclonal/dna-polymerase-gamma-antibody-western-blot-immunohistochemistry-immunocytochemistry-immunofluorescence-elisa/107940>