

Rabbit DNA Polymerase gamma Polyclonal Antibody | anti-POLG antibody

DNA Polymerase gamma Polyclonal Antibody

CATALOG # AAA179451	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Western Blot
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PRODUCT SYNONYMS

DNA Polymerase gamma; Polyclonal Antibody; DNA Polymerase gamma Polyclonal Antibody; POLG; MDP1; MIRAS; MTDPS4A; MTDPS4B; PEO; POLG1; POLGA; SANDO; SCAE; anti-POLG antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.05% proclin300,50% glycerol,pH7.3.
Concentration	1mg/mL (varies by lot)
Applicable Applications for anti-POLG antibody	WB (Western Blot)
Immunogen	Recombinant fusion protein of human DNA Polymerase gamma
Preparation and Storage	Storage: -20 degree C/One year. Avoid freeze/thaw cycles.

IMAGES


WB (Western Blot)

Western blot analysis of extracts of Mouse placenta using DNA Polymerase gamma Polyclonal Antibody antibody at 1:500 dilution.


WB (Western Blot)

Western blot analysis of extracts of various cell lines using DNA Polymerase gamma Polyclonal Antibody at 1:500 dilution.

ADDITIONAL INFORMATION

Related Product Information for anti-POLG antibody	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). Two transcript variants encoding the same protein have been found for this gene.
Product Categories/Family for anti-POLG antibody	Antibodies ; Primary Antibodies ; Polyclonal Antibody

NCBI AND UNIPROT INFORMATION

NCBI GI #	4505937
NCBI GeneID	5428
NCBI Accession #	NP_002684.1
NCBI GenBank Nucleotide #	NM_002693.2
UniProt Accession #	P54098; Q8NFM2; Q92515
Molecular Weight	139,562 Da
NCBI Official Full Name	DNA polymerase subunit gamma-1
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; PolG-alpha; mitochondrial DNA polymerase catalytic subunit
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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/dna-polymerase-gamma-antibody-western-blot-elisa/179451>