

Datasheet for ABIN6145892
anti-POLG antibody (AA 980-1239)



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Overview

Quantity:	100 µL
Target:	POLG
Binding Specificity:	AA 980-1239
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This POLG antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 980-1239 of human DNA Polymerase gamma (NP_002684.1).
Sequence:	EKAQQMYAAT KGLRWYRLSD EGEWLVRELN LPVDRTEGGW ISLQDLRKVQ RETARKSQWK KWEVVAERAW KGGTESEMFN KLESIATSDI PRTPVLGCC I SRALEPSAVQ EEFMTSRVNW VVQSSAVDYL HLMLVAMKWL FEEFAIDGRF CISHDEVRY LVREEDRYRA ALALQITNLL TRCMFAYKLG LNDLPQSVA FSAVDIDRCL RKEVTMDCKT PSNPTGMERR YGIPQGEALD IYQIELTKG SLEKRSQPGP
Isotype:	IgG
Cross-Reactivity:	Human
Characteristics:	Polyclonal Antibodies

Target Details

Target:	POLG
Alternative Name:	POLG (POLG Products)
Target Type:	Viral Protein
Background:	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. POLG,MDP1,MIRAS,MTDPS4A,MTDPS4B,PEO,POLG1,POLGA,SANDO,SCAE,Epigenetics & Nuclear Signaling,Endocrine & Metabolism,Mitochondrial metabolism,Mitochondrial Biogenesis,Nucleotide metabolism,Molecular processes,POLG
Molecular Weight:	139 kDa
Gene ID:	5428
UniProt:	P54098

Application Details

Application Notes:	WB,1:500 - 1:2000
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.