

Rabbit anti-Human POLG2 Polyclonal Antibody | anti-POLG2 antibody

POLG2 Antibody (Center)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA290688	Rabbit	Human	ELISA, Immunohistochemistry, Western Blot

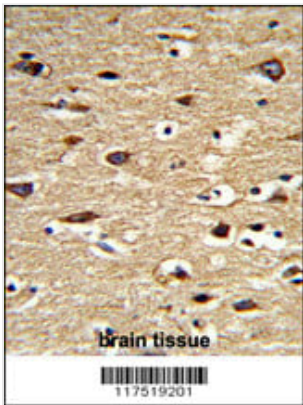
PRODUCT SYNONYMS

POLG2; Polyclonal Antibody; POLG2 Antibody (Center); DNA polymerase subunit gamma-2; mitochondrial; DNA polymerase gamma accessory 55 kDa subunit; p55; Mitochondrial DNA polymerase accessory subunit; MtPolB; PolG-beta; MTPOLB; anti-POLG2 antibody

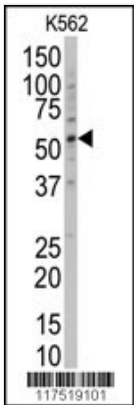
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Ig
Specificity	This POLG2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 205-234 amino acids from the Central region of human POLG2.
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Sequence Length	485
Applicable Applications for anti-POLG2 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Subtitle	Purified Rabbit Polyclonal Antibody (Pab)
Cellular Location	Mitochondrion.
Antigen Region	205-234 aa
Antigen Type	Synthetic Peptide
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

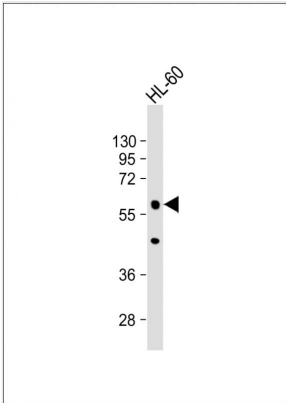
IMAGES



IHC (Immunohistochemisry)
Formalin-fixed and paraffin-embedded human brain tissue reacted with POLG2 Antibody (Center), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



WB (Western Blot)
Western blot analysis of anti-POLG2 Antibody (Center) in K562 cell line lysates (35ug/lane). POLG2 (arrow) was detected using the purified Pab.



WB (Western Blot)
Anti-POLG2 Antibody (Center) at 1:1000 dilution + HL-60 whole cell lysateLysates/proteins at 20 ug per lane.SecondaryGoat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution.Predicted band size : 55 kDaBlocking/Dilution buffer: 5% NFDm/TBST.

ADDITIONAL INFORMATION

Related Product Information for anti-POLG2 antibody	Description: The accuracy of mitochondrial DNA (mtDNA) replication depends on the coordinated action of many nuclear-encoded proteins and on the correct balance of nucleotides within the mitochondrial matrix. mtDNA is replicated by DNA polymerase gamma, which is composed of a 140-kD catalytic subunit(POLG1) and a 55-kD accessory subunit (POLG2). Background: Mitochondrial polymerase processivity subunit. Stimulates the polymerase and exonuclease activities, and increases the processivity of the enzyme. Binds to ss-DNA.
Product Categories/Family for anti-POLG2 antibody	Primary Antibodies
References	Longley,M.J., Am. J. Hum. Genet. 78 (6), 1026-1034 (2006). Carrodeguas,J.A., J. Biol. Chem. 277 (51), 50008-50014 (2002).

NCBI AND UNIPROT INFORMATION

NCBI GI #	70887790
NCBI GeneID	11232
NCBI Accession #	NP_009146.2

NCBI GenBank Nucleotide #	NM_007215.3
UniProt Accession #	Q9UHN1 ; O00419 ; Q0IJ81 ; Q96GW2 ; Q9UK35 ; Q9UK94
Molecular Weight	54911 Da
NCBI Official Full Name	DNA polymerase subunit gamma-2, mitochondrial
NCBI Official Synonym Full Names	polymerase (DNA) gamma 2, accessory subunit
NCBI Official Symbol	POLG2
NCBI Official Synonym Symbols	HP55; POLB; PEOA4; POLGB; MTPOLB; POLG-BETA
NCBI Protein Information	DNA polymerase subunit gamma-2, mitochondrial
UniProt Protein Name	DNA polymerase subunit gamma-2, mitochondrial
UniProt Gene Name	POLG2
UniProt Synonym Gene Names	MTPOLB; p55
UniProt Entry Name	DPOG2_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://www.aaabiotech.com/polyclonal/polg2-antibody-immunohistochemistry-western-blot-elisa/290688>