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

POLG2 Polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA279601	**Rabbit**	**Human**	**Immunofluorescence, Immunohistochemistry, Western Blot**

PRODUCT SYNONYMS

POLG2; Polyclonal Antibody; POLG2 Polyclonal Antibody; HP55; POLB; PEOA4; POLGB; MTPOLB; POLG-BETA; anti-POLG2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity Purification
Concentration	1mg/ml (varies by lot)
Sequence Length	485
Applicable Applications for anti-POLG2 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Species	Human
Immunogen	Recombinant Protein
Immunogen	Recombinant protein of human POLG2
Calculated Molecular Weight	54kDa
Preparation and Storage	Store at -20 degree C (regular) or -80 degree C (long term). Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

IMAGES

IHC (Immunohistochemistry)
Immunohistochemistry of paraffin-embedded mouse kidney using POLG2 antibody at dilution of 1:100 (40x lens).

IHC (Immunohistochemistry)
Immunohistochemistry of paraffin-embedded mouse testis using POLG2 antibody at dilution of 1:100 (40x lens).

IHC (Immunohistochemisry)
Immunohistochemistry of paraffin-embedded human stomach using POLG2 antibody at dilution of 1:100 (40x lens).

IHC (Immunohiostchemistry)
Immunohistochemistry of paraffin-embedded rat heart using POLG2 antibody at dilution of 1:100 (40x lens).

WB (Western Blot)
Western blot analysis of extracts of various cell lines, using POLG2 antibody at 1:1000 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution.Lysates/proteins: 25ug per lane.Blocking buffer: 3% nonfat dry milk in TBST.Detection: ECL Basic Kit.Exposure time: 90s.

ADDITIONAL INFORMATION

Related Product Information for anti-POLG2 antibody	This gene encodes the processivity subunit of the mitochondrial DNA polymerase gamma. The encoded protein forms a heterotrimer containing one catalytic subunit and two processivity subunits. This protein enhances DNA binding and promotes processive DNA synthesis. Mutations in this gene result in autosomal dominant progressive external ophthalmoplegia with mitochondrial DNA deletions.
Product Categories/Family for anti-POLG2 antibody	Polyclonal

NCBI AND UNIPROT INFORMATION

NCBI GI #	17367139
NCBI GeneID	11232
UniProt Accession #	Q9UHN1; O00419; Q0IJ81; Q96GW2; Q9UK35; Q9UK94
Molecular Weight	485
NCBI Official Full Name	DNA polymerase subunit gamma-2, mitochondrial
NCBI Official Synonym Full Names	polymerase (DNA directed), 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; p55; mitochondrial DNA polymerase subunit gamma-2; DNA polymerase gamma accessory 55 kDa subunit; mitochondrial DNA polymerase accessory subunit; mitochondrial DNA polymerase, accessory subunit
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.

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Online datasheet: https://stage.aaabiotech.com/polyclonal/polg2-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/279601