

## Rabbit POLG1 Polyclonal Antibody | anti-POLG1 antibody

POLG1 Antibody

| CATALOG # | HOST   | REACTIVITY        | APPLICATIONS                              |
|-----------|--------|-------------------|-------------------------------------------|
| AAA327955 | Rabbit | Human, Mouse, Rat | ELISA, Immunohistochemistry, Western Blot |

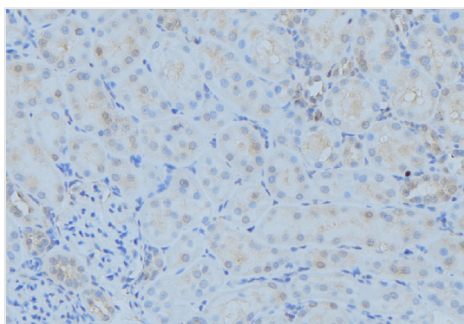
### PRODUCT SYNONYMS

POLG1; Polyclonal Antibody; POLG1 Antibody; DNA directed DNA polymerase gamma; DNA polymerase subunit gamma 1; DNA polymerase subunit gamma-1; DPOG1\_HUMAN; MDP 1; MDP1; Mitochondrial DNA polymerase catalytic subunit; Mitochondrial DNA polymerase gamma; PEO; POLG 1; POLG A; PolG alpha; POLG; PolG-alpha; POLGA; Polymerase (DNA directed) gamma; SANDO; SCAE; anti-POLG1 antibody

### PRODUCT SPECIFICATIONS

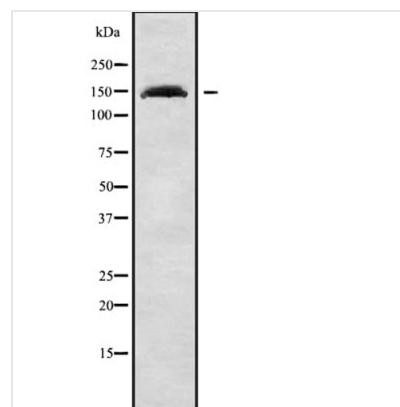
|                                                 |                                                                                                                          |
|-------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                                   |
| Reactivity                                      | Human, Mouse, Rat                                                                                                        |
| Clonality                                       | Polyclonal                                                                                                               |
| Isotype                                         | IgG                                                                                                                      |
| Specificity                                     | POLG1 antibody detects endogenous levels of total POLG1                                                                  |
| Purity/Purification                             | The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin (Thermo Fisher Scientific). |
| Form/Format                                     | Liquid<br>Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.                            |
| Concentration                                   | 1mg/ml (varies by lot)                                                                                                   |
| Sequence Length                                 | 1239                                                                                                                     |
| Applicable Applications for anti-POLG1 antibody | ELISA, IHC (Immunohistochemistry), WB (Western Blot)                                                                     |
| Immunogen                                       | A synthesized peptide derived from human POLG1, corresponding to a region within the internal amino acids.               |
| Preparation and Storage                         | Store at -20 degree C. Stable for 12 months from date of receipt.                                                        |

### IMAGES



#### IHC (Immunohistochemistry)

AAA327955 at 1/100 staining Mouse kidney tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



#### WB (Western Blot)

Western blot analysis of POLG1 using COLO205 whole cell lysates

NCBI AND UNIPROT INFORMATION

|                                  |                                                               |
|----------------------------------|---------------------------------------------------------------|
| NCBI GI #                        | 187171277                                                     |
| NCBI GeneID                      | 5428                                                          |
| NCBI Accession #                 | NP_001119603.1                                                |
| NCBI GenBank Nucleotide #        | NM_001126131.1                                                |
| UniProt Accession #              | P54098; Q8NFM2; Q92515                                        |
| Molecular Weight                 | 140 kDa                                                       |
| NCBI Official Full Name          | DNA polymerase subunit gamma-1                                |
| NCBI Official Synonym Full Names | DNA polymerase gamma, catalytic subunit                       |
| 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                | <b>POLG</b>                                                   |
| UniProt Synonym Gene Names       | MDP1; POLG1; POLGA                                            |

**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/polg1-antibody-immunohistochemistry-western-blot-elisa/327955>