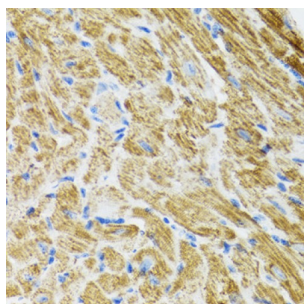
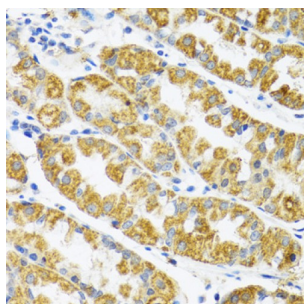


## Polymerase DNA Directed Gamma 2 (POLG2) Antibody

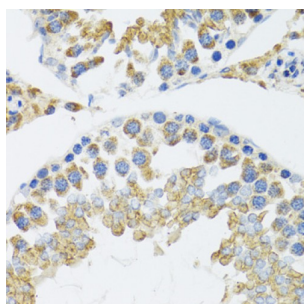
Catalogue No.: abx005134



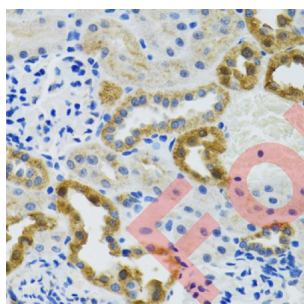
Immunohistochemistry of paraffin-embedded Rat heart using POLG2 Antibody (1/100 dilution, 40x lens).



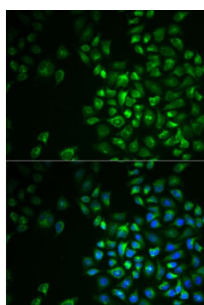
Immunohistochemistry of paraffin-embedded Human stomach using POLG2 Antibody (1/100 dilution, 40x lens).



Immunohistochemistry of paraffin-embedded Mouse testis using POLG2 Antibody (1/100 dilution, 40x lens).



Immunohistochemistry of paraffin-embedded Mouse kidney using POLG2 Antibody (1/100 dilution, 40x lens).



Immunofluorescence analysis of MCF7 cells using POLG2 Antibody

POLG2 Antibody is a Rabbit Polyclonal antibody against POLG2. 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.

|                               |                                                                                                                                        |
|-------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| <b>Target:</b>                | Polymerase DNA Directed Gamma 2 (POLG2)                                                                                                |
| <b>Clonality:</b>             | Polyclonal                                                                                                                             |
| <b>Reactivity:</b>            | Human, Mouse, Rat                                                                                                                      |
| <b>Tested Applications:</b>   | IHC, IF/ICC                                                                                                                            |
| <b>Host:</b>                  | Rabbit                                                                                                                                 |
| <b>Recommended dilutions:</b> | IHC-P: 1/50 - 1/200, IF/ICC: 1/10 - 1/100. Not tested in IHC-F. Optimal dilutions/concentrations should be determined by the end user. |
| <b>Conjugation:</b>           | Unconjugated                                                                                                                           |
| <b>Immunogen:</b>             | Recombinant fusion protein corresponding to human POLG2                                                                                |
| <b>Isotype:</b>               | IgG                                                                                                                                    |
| <b>Form:</b>                  | Liquid                                                                                                                                 |
| <b>Purification:</b>          | Purified by affinity chromatography.                                                                                                   |
| <b>Storage:</b>               | Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.                                                                         |
| <b>UniProt Primary AC:</b>    | Q9UHN1 ( <a href="#">UniProt</a> , <a href="#">ExPASy</a> )                                                                            |
| <b>Gene Symbol:</b>           | POLG2                                                                                                                                  |
| <b>GeneID:</b>                | <a href="#">11232</a>                                                                                                                  |
| <b>NCBI Accession:</b>        | NP_009146.2                                                                                                                            |
| <b>String:</b>                | <a href="#">9606.ENSP00000442563</a>                                                                                                   |
| <b>Buffer:</b>                | PBS, pH 7.3, containing 0.02% sodium azide, 50% glycerol.                                                                              |
| <b>Concentration:</b>         | 1 mg/ml                                                                                                                                |

# Datasheet

Version: 3.0.0

Revision date: 05 Jun 2025



**Note:**

THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.

For Reference Only