

# POLK Rabbit pAb

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Catalog # AP94477

## Product Information

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| <b>Application</b>             | WB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Reactivity</b>              | Rat, Human, Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Predicted</b>               | Pig, Horse, Sheep                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Host</b>                    | Rabbit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Clonality</b>               | Polyclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Physical State</b>          | Liquid                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Immunogen</b>               | KLH conjugated synthetic peptide derived from human POLK                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Epitope Specificity</b>     | 1-100/870                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Isotype</b>                 | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Purity</b>                  | affinity purified by Protein A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Buffer</b>                  | 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>SUBCELLULAR LOCATION</b>    | Nucleus. Accumulates at replication forks after DNA damage.                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Important Note</b>          | This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Background Descriptions</b> | This gene encodes a member of the DNA polymerase type- $\gamma$ family of proteins. The encoded protein is a specialized DNA polymerase that catalyzes translesion DNA synthesis, which allows DNA replication in the presence of DNA lesions. Human cell lines lacking a functional copy of this gene exhibit impaired genome integrity and enhanced susceptibility to oxidative damage. Mutations in this gene that impair enzyme activity may be associated with prostate cancer in human patients. [provided by RefSeq, Sep 2016] |

## Additional Information

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| <b>Dilution</b> | WB=1:500-2000,ELISA=1:5000-10000                                                                                                                                                                |
| <b>Storage</b>  | Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C. |

## Background

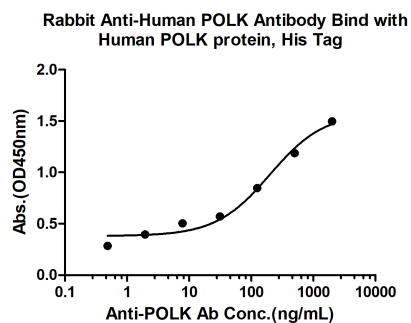
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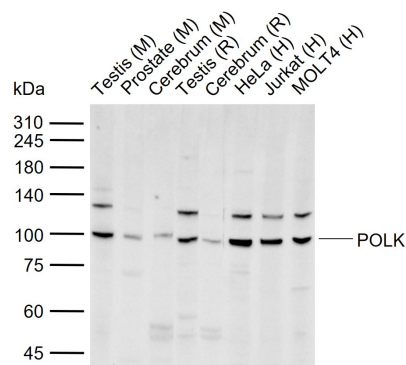
## Images

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Measured by its binding ability in a indirect ELISA.



Immobilized Human POLK protein, His Tag (Cat. AP94477) at 2 µg/mL (100 µL/well) can bind Rabbit Anti-Human POLK Antibody, the EC50 is 199.8 ng/mL.



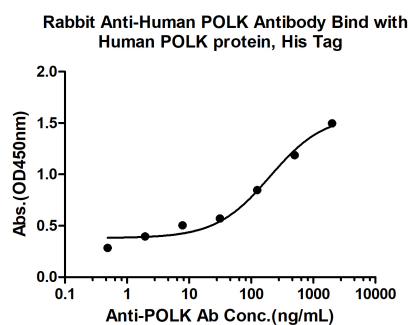
#### Sample:

- Lane 1: Mouse Testis tissue lysates
- Lane 2: Mouse Prostate tissue lysates
- Lane 3: Mouse Cerebrum tissue lysates
- Lane 4: Rat Testis tissue lysates
- Lane 5: Rat Cerebrum tissue lysates
- Lane 6: Human HeLa cell lysates
- Lane 7: Human Jurkat cell lysates
- Lane 8: Human MOLT4 cell lysates

Primary: Anti-POLK (AP94477) at 1/1000 dilution  
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 99 kDa

Observed band size: 100 kDa



Measured by its binding ability in a indirect ELISA.

Immobilized Human POLK protein, His Tag (Cat. bs-25393P) at 2 µg/mL (100 µL/well) can bind Rabbit Anti-Human POLK Antibody, the EC50 is 199.8 ng/mL.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.