

## Rabbit DNA pol beta Polyclonal Antibody | anti-POLB antibody

DNA pol beta Polyclonal Antibody

|                               |                       |                                        |                                                           |
|-------------------------------|-----------------------|----------------------------------------|-----------------------------------------------------------|
| CATALOG #<br><b>AAA294684</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human, Mouse, Rat</b> | APPLICATIONS<br><b>Immunohistochemistry, Western Blot</b> |
|-------------------------------|-----------------------|----------------------------------------|-----------------------------------------------------------|

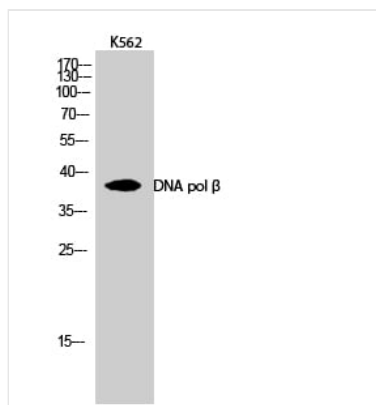
### PRODUCT SYNONYMS

DNA pol beta; Polyclonal Antibody; DNA pol beta Polyclonal Antibody; POLB; DNA polymerase beta; anti-POLB antibody

### PRODUCT SPECIFICATIONS

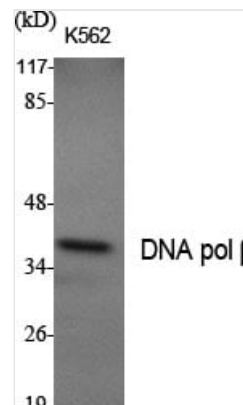
|                                                |                                                                                                                                                       |
|------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                                                                |
| Reactivity                                     | Human, Mouse, Rat                                                                                                                                     |
| Clonality                                      | Polyclonal                                                                                                                                            |
| Applicable Applications for anti-POLB antibody | IHC (Immunohistochemistry), WB (Western Blot)                                                                                                         |
| Preparation and Storage                        | Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles. |

### IMAGES



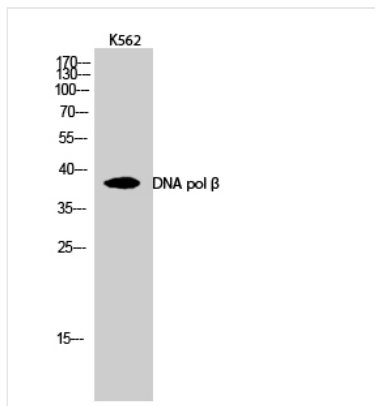
#### WB (Western Blot)

Dilution: Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/10000.  
Not yet tested in other applications.



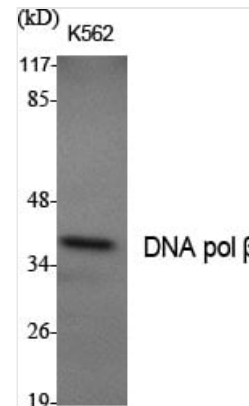
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## ADDITIONAL INFORMATION

### Related Product Information for anti-POLB antibody

Repair polymerase that plays a key role in base-excision repair. Has 5'-deoxyribose-5-phosphate lyase (dRP lyase) activity that removes the 5' sugar phosphate and also acts as a DNA polymerase that adds one nucleotide to the 3' end of the arising single-nucleotide gap. Conducts 'gap-filling' DNA synthesis in a stepwise distributive fashion rather than in a processive fashion as for other DNA polymerases.

## NCBI AND UNIPROT INFORMATION

|                                  |                                                                                            |
|----------------------------------|--------------------------------------------------------------------------------------------|
| NCBI GI #                        | 4505931                                                                                    |
| NCBI GeneID                      | 5423                                                                                       |
| NCBI Accession #                 | NP_002681.1                                                                                |
| NCBI GenBank Nucleotide #        | NM_002690.2                                                                                |
| UniProt Accession #              | P06746; Q3KP48; Q6FI34; B2RC78                                                             |
| Molecular Weight                 | 38,178 Da                                                                                  |
| NCBI Official Full Name          | DNA polymerase beta                                                                        |
| NCBI Official Synonym Full Names | polymerase (DNA directed), beta                                                            |
| NCBI Official Symbol             | POLB                                                                                       |
| NCBI Protein Information         | DNA polymerase beta; DNA pol beta; mutant DNA polymerase beta; DNA polymerase beta subunit |
| UniProt Protein Name             | DNA polymerase beta                                                                        |
| UniProt Gene Name                | <b>POLB</b>                                                                                |
| UniProt Entry Name               | DPOLB_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/dna-pol-beta-antibody-immunohistochemistry-western-blot-elisa/294684>