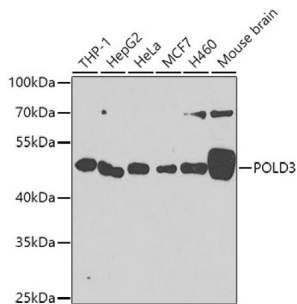
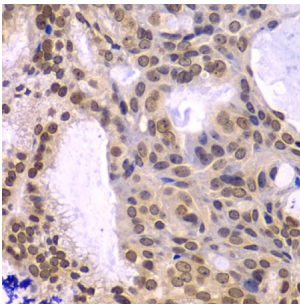


## DNA Polymerase Delta 3, Accessory Subunit (POLD3) Antibody

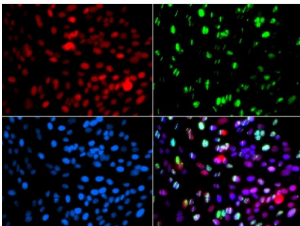
Catalogue No.: abx005465



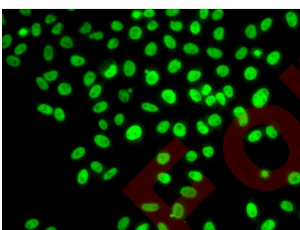
Western blot analysis of extracts of various cell lines using POLD3 Antibody (1/1000 dilution).



Immunohistochemistry of paraffin-embedded Human oophoroma using POLD3 Antibody (1/100 dilution, 40x lens).



Immunofluorescence analysis of GFP-RNF168 transgenic U2OS cells using POLD3 Antibody



Immunofluorescence analysis of U2OS cells using POLD3 Antibody

POLD3 Antibody is a Rabbit Polyclonal antibody against POLD3. This gene encodes the 66-kDa subunit of DNA polymerase delta. DNA polymerase delta possesses both polymerase and 3' to 5' exonuclease activity and plays a critical role in DNA replication and repair. The encoded protein plays a role in regulating the activity of DNA polymerase delta through interactions with other subunits and the processivity cofactor proliferating cell nuclear antigen (PCNA). Alternatively spliced transcript variants have been observed for this gene.

**Target:** DNA Polymerase Delta 3, Accessory Subunit (POLD3)

# Datasheet

Version: 4.0.0  
Revision date: 05 Jun 2025



|                               |                                                                                                                                                            |
|-------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Clonality:</b>             | Polyclonal                                                                                                                                                 |
| <b>Reactivity:</b>            | Human, Mouse                                                                                                                                               |
| <b>Tested Applications:</b>   | WB, IHC, IF/ICC                                                                                                                                            |
| <b>Host:</b>                  | Rabbit                                                                                                                                                     |
| <b>Recommended dilutions:</b> | WB: 1/500 - 1/2000, IHC-P: 1/50 - 1/200, IF/ICC: 1/50 - 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 POLD3                                                                                                    |
| <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>    | Q15054 ( <a href="#">UniProt</a> , <a href="#">ExPASy</a> )                                                                                                |
| <b>Gene Symbol:</b>           | POLD3                                                                                                                                                      |
| <b>GeneID:</b>                | <a href="#">10714</a>                                                                                                                                      |
| <b>NCBI Accession:</b>        | NP_006582.1                                                                                                                                                |
| <b>KEGG:</b>                  | hsa:10714                                                                                                                                                  |
| <b>String:</b>                | <a href="#">9606.ENSP00000263681</a>                                                                                                                       |
| <b>Molecular Weight:</b>      | Calculated MW: 39 kDa/46 kDa/51 kDa<br>Observed MW: 51 kDa                                                                                                 |
| <b>Buffer:</b>                | PBS, pH 7.3, containing 0.02% sodium azide, 50% glycerol.                                                                                                  |
| <b>Concentration:</b>         | 1 mg/ml                                                                                                                                                    |
| <b>Note:</b>                  | THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.                 |