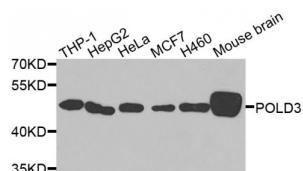


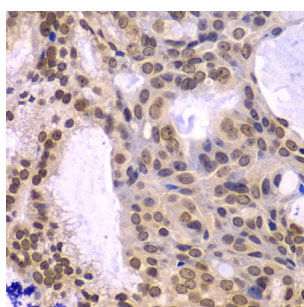
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## DNA Polymerase Delta 3, Accessory Subunit (POLD3) Antibody

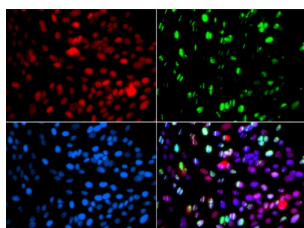
Catalogue No.: abx005465



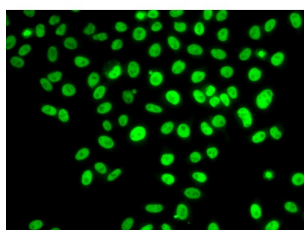
Western blot analysis of extracts of various cell lines, using POLD3 antibody (abx005465) at 1/1000 dilution.



Immunohistochemistry of paraffin-embedded human oophoroma using POLD3 antibody (abx005465) at dilution of 1/100 (40x lens).



Immunofluorescence analysis of GFP-RNF168 transgenic U2OS cells using POLD3 antibody (abx005465). Green  $\square$  GFP-RNF168 fusion protein expression for DNA damage marker. Blue: DAPI for nuclear staining. RNF168(GFP) can be used to mark cells damaged by UV-A laser for they always gather around DNA damage region.



Immunofluorescence analysis of U2OS cells using POLD3 antibody (abx005465).

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:** POLD3

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**Reactivity:** Human, Mouse

**Host:** Rabbit

**Clonality:** Polyclonal

**Tested Applications:** WB, IHC, IF/ICC

**Recommended dilutions:** WB: 1/500 - 1/2000, IHC: 1/50 - 1/200, IF/ICC: 1/50 - 1/100. Optimal dilutions/concentrations should be determined by the end user.

**Immunogen:** Recombinant protein of human POLD3.

**Purification:** Affinity purified.

**Form:** Liquid

**Isotype:** IgG

**Conjugation:** Unconjugated

**Storage:** Aliquot and store at -20 °C. Avoid repeated freeze/thaw cycles.

**Molecular Weight:** Calculated MW: 39 kDa/46 kDa/51 kDa  
Observed MW: 51 kDa

**Swiss Prot:** [Q15054](#)

**GeneID:** [10714](#)

**Gene Symbol:** POLD3

**Concentration:** > 1 mg/ml

**Buffer:** PBS, pH 7.3, 0.02% sodium azide, 50% glycerol.

**Note:** This product is for research use only.