

POLD3 Rabbit Polyclonal Antibody



CAB7243

Product Information

Size:

20uL, 50uL, 100uL, 200uL

Observed MW:

51kDa

Calculated MW:

39kDa/46kDa/51kDa

Applications:

WB IHC IF

Reactivity:

Human, Mouse

Protein Background

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.

Immunogen information

Gene ID:

10714

Uniprot

Q15054

Synonyms:

POLD3; P66; P68; PPP1R128

Antibody Information

Recommended dilutions:

WB 1:500 - 1:2000 IHC 1:50
- 1:200 IF 1:50 - 1:100

Source:

Rabbit

Isotype:

IgG

Purification:

Affinity purification

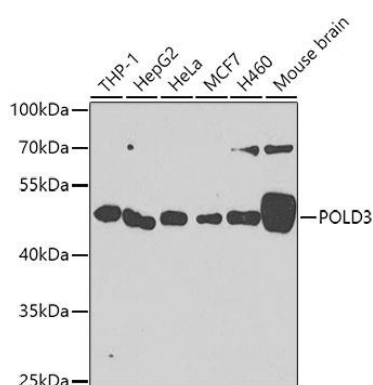
Immunogen:

Recombinant fusion protein containing a sequence corresponding to amino acids 197-466 of human POLD3 (NP_006582.1).

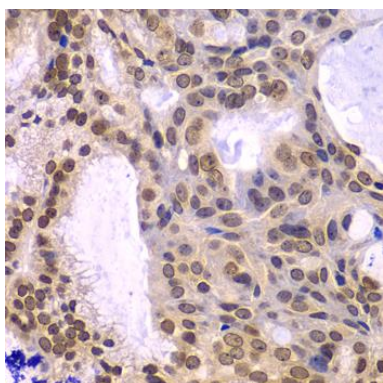
Storage:

Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

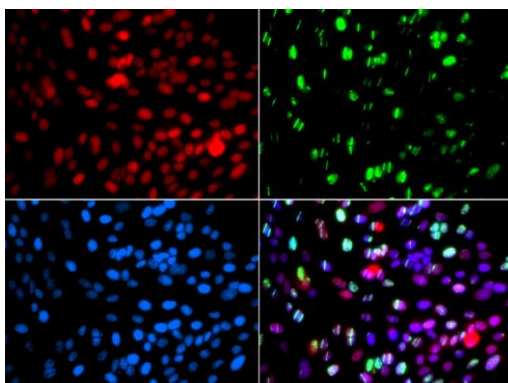
Product Images



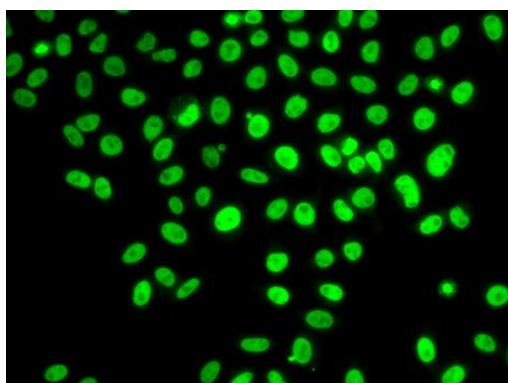
Western blot analysis of extracts of various cell lines, using POLD3 antibody (CAB7243) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Enhanced Kit (CABM00021). Exposure time: 60s.



Immunohistochemistry of paraffin-embedded human oophoroma using POLD3 antibody (CAB7243) at dilution of 1:100 (40x lens).



Immunofluorescence analysis of GFP-RNF168 transgenic U2OS cells using POLD3 antibody (CAB7243). Green: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 (CAB7243).