

[KO Validated] POLE3 Rabbit Polyclonal Antibody



CAB6469

Product Information

Size:

20uL, 50uL, 100uL, 200uL

Observed MW:

20-25kDa

Calculated MW:

16kDa

Applications:

WB IF

Reactivity:

Human, Mouse

Protein Background

POLE3 is a histone-fold protein that interacts with other histone-fold proteins to bind DNA in a sequence-independent manner. These histone-fold protein dimers combine within larger enzymatic complexes for DNA transcription, replication, and packaging.[supplied by OMIM, Apr 2004]

Immunogen information

Gene ID:

54107

Uniprot

Q9NRF9

Synonyms:

POLE3; CHARAC17; CHRAC17; YBL1; p17

Antibody Information

Recommended dilutions:

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

Source:

Rabbit

Isotype:

IgG

Purification:

Affinity purification

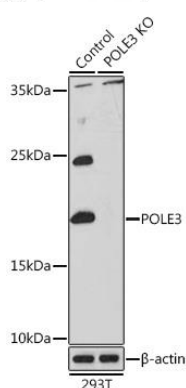
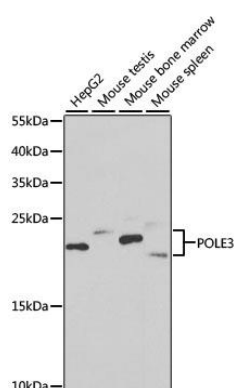
Immunogen:

Recombinant fusion protein containing a sequence corresponding to amino acids 1-147 of human POLE3 (NP_059139.3).

Storage:

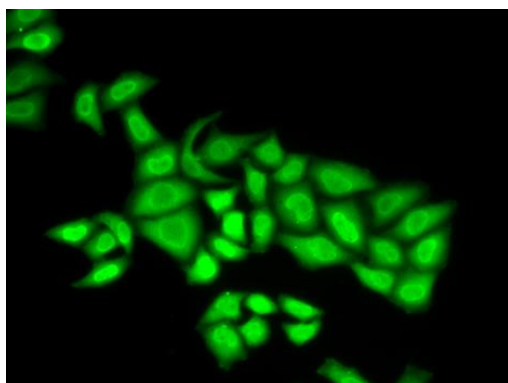
Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Product Images

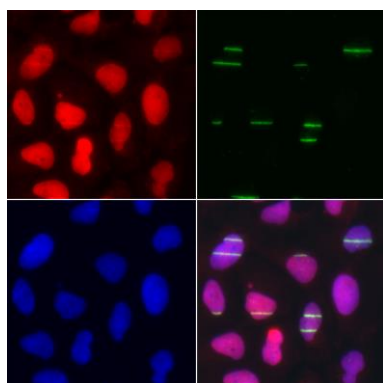


Western blot analysis of extracts of various cell lines, using POLE3 antibody (CAB6469) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Enhanced Kit (CABM00021). Exposure time: 90s.

Western blot analysis of extracts from normal (control) and [KO Validated] POLE3 Rabbit pAb knockout (KO) 293T cells, using [KO Validated] POLE3 Rabbit pAb antibody (CAB6469) 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 Basic Kit (CABM00020). Exposure time: 30s.



Immunofluorescence analysis of U2OS cells using POLE3 antibody (CAB6469).



Immunofluorescence analysis of U2OS cells using POLE3 antibody (CAB6469). Green: gamma H2AX (phospho S139) used for DNA damage marker. Blue: DAPI for nuclear staining. Cells were treated by UV-A laser.