

## Rabbit anti-Human, Mouse POLE3 Polyclonal Antibody | anti-POLE3 antibody

POLE3 Polyclonal Antibody

|                               |                       |                                   |                                                                               |
|-------------------------------|-----------------------|-----------------------------------|-------------------------------------------------------------------------------|
| CATALOG #<br><b>AAA280110</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human, Mouse</b> | APPLICATIONS<br><b>Immunofluorescence, Immunohistochemistry, Western Blot</b> |
|-------------------------------|-----------------------|-----------------------------------|-------------------------------------------------------------------------------|

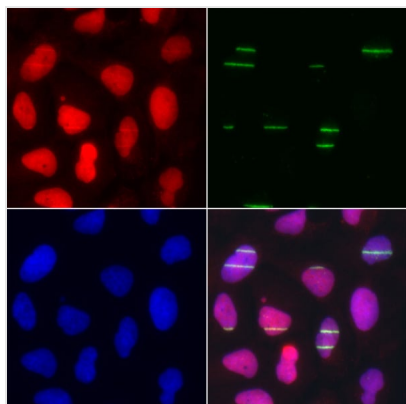
### PRODUCT SYNONYMS

POLE3; Polyclonal Antibody; POLE3 Polyclonal Antibody; p17; YBL1; CHRAC17; CHARAC17; anti-POLE3 antibody

### PRODUCT SPECIFICATIONS

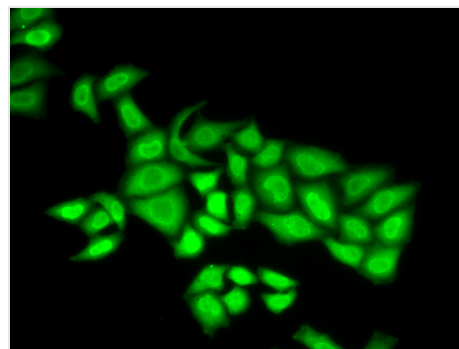
|                                                 |                                                                                                                                                       |
|-------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                                                                |
| Reactivity                                      | Human, Mouse                                                                                                                                          |
| Clonality                                       | Polyclonal                                                                                                                                            |
| Isotype                                         | IgG                                                                                                                                                   |
| Purity/Purification                             | Affinity Purification                                                                                                                                 |
| Concentration                                   | 1mg/ml (varies by lot)                                                                                                                                |
| Sequence Length                                 | 147                                                                                                                                                   |
| Applicable Applications for anti-POLE3 antibody | IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)                                                                                |
| Species                                         | Human                                                                                                                                                 |
| Immunogen                                       | Recombinant Protein                                                                                                                                   |
| Immunogen                                       | Recombinant protein of human POLE3                                                                                                                    |
| Calculated Molecular Weight                     | 16kDa                                                                                                                                                 |
| Preparation and Storage                         | Store at -20 degree C (regular) or -80 degree C (long term). Avoid freeze / thaw cycles.<br>Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3. |

### IMAGES



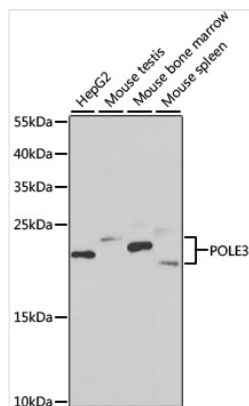
#### IF (Immunofluorescence)

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



#### IF (Immunofluorescence)

Immunofluorescence analysis of U2OS cells using POLE3 antibody.



#### WB (Western Blot)

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

## ADDITIONAL INFORMATION

|                                                            |                                                                                                                                                                                                                                                              |
|------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Related Product Information for anti-POLE3 antibody</b> | 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. |
| <b>Product Categories/Family for anti-POLE3 antibody</b>   | Polyclonal                                                                                                                                                                                                                                                   |

## NCBI AND UNIPROT INFORMATION

|                                         |                                                                                                                                                                                                                                                                                                                                                                    |
|-----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>NCBI GI #</b>                        | 22653710                                                                                                                                                                                                                                                                                                                                                           |
| <b>NCBI GeneID</b>                      | 54107                                                                                                                                                                                                                                                                                                                                                              |
| <b>UniProt Accession #</b>              | Q9NRF9; Q5W0U1; Q8N758; Q8NCE5; Q9NR32                                                                                                                                                                                                                                                                                                                             |
| <b>Molecular Weight</b>                 | 147                                                                                                                                                                                                                                                                                                                                                                |
| <b>NCBI Official Full Name</b>          | DNA polymerase epsilon subunit 3                                                                                                                                                                                                                                                                                                                                   |
| <b>NCBI Official Synonym Full Names</b> | polymerase (DNA directed), epsilon 3, accessory subunit                                                                                                                                                                                                                                                                                                            |
| <b>NCBI Official Symbol</b>             | POLE3                                                                                                                                                                                                                                                                                                                                                              |
| <b>NCBI Official Synonym Symbols</b>    | p17; YBL1; CHRAC17; CHARAC17                                                                                                                                                                                                                                                                                                                                       |
| <b>NCBI Protein Information</b>         | DNA polymerase epsilon subunit 3; asTP; CHRAC-17; huCHRAC17; DNA polymerase II subunit 3; histone fold protein CHRAC17; arsenic transactivated protein; arsenic-transactivated protein; DNA polymerase epsilon p17 subunit; DNA polymerase epsilon subunit p17; chromatin accessibility complex 17 kDa protein; polymerase (DNA directed), epsilon 3 (p17 subunit) |
| <b>UniProt Protein Name</b>             | DNA polymerase epsilon subunit 3                                                                                                                                                                                                                                                                                                                                   |
| <b>UniProt Gene Name</b>                | <b>POLE3</b>                                                                                                                                                                                                                                                                                                                                                       |
| <b>UniProt Synonym Gene Names</b>       | CHRAC17; AsTP; CHRAC-17; HuCHRAC17                                                                                                                                                                                                                                                                                                                                 |
| <b>UniProt Entry Name</b>               | DPOE3_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/pole3-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/280110>