

## Rabbit anti-Human POLI Polyclonal Antibody | anti-POLI antibody

POLI Antibody

| CATALOG # | HOST   | REACTIVITY | APPLICATIONS                                    |
|-----------|--------|------------|-------------------------------------------------|
| AAA233746 | Rabbit | Human      | Immunofluorescence, Immunohistochemistry, ELISA |

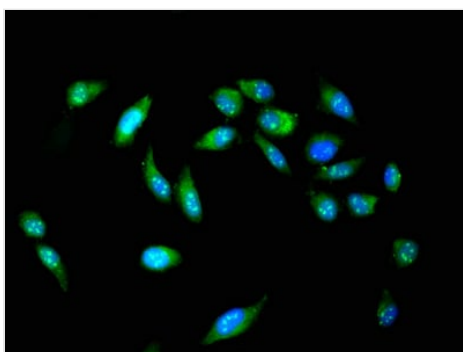
### PRODUCT SYNONYMS

POLI; Polyclonal Antibody; POLI Antibody; DNA polymerase iota; Eta2; RAD30 homolog B; RAD30B; anti-POLI antibody

### PRODUCT SPECIFICATIONS

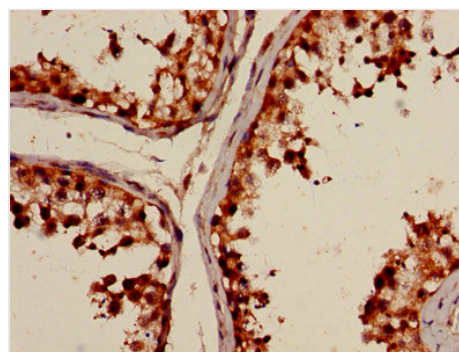
|                                                |                                                                                  |
|------------------------------------------------|----------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                           |
| Reactivity                                     | Human                                                                            |
| Clonality                                      | Polyclonal                                                                       |
| Isotype                                        | IgG                                                                              |
| Purity/Purification                            | >95%, Protein G purified                                                         |
| Form/Format                                    | Liquid                                                                           |
| Sequence Length                                | 740                                                                              |
| Applicable Applications for anti-POLI antibody | IF (Immunofluorescence), IHC (Immunohistochemistry), ELISA                       |
| Immunogen                                      | Recombinant Human DNA polymerase iota protein (458-711AA)                        |
| Conjugation                                    | Non-conjugated                                                                   |
| Buffer                                         | Preservative: 0.03% Proclin 300<br>Constituents: 50% Glycerol, 0.01M PBS, pH 7.4 |
| Preparation and Storage                        | Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.      |

### IMAGES



#### IF (Immunofluorescence)

Immunofluorescent analysis of HeLa cells using AAA233746 at a dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)



#### IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human testis tissue using AAA233746 at dilution of 1:100

ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-POLI antibody | Error-prone DNA polymerase specifically involved in DNA repair. Plays an important role in translesion synthesis, where the normal high-fidelity DNA polymerases cannot proceed and DNA synthesis stalls. Favors Hoogsteen base-pairing in the active site. Inserts the correct base with high-fidelity opposite an adenosine template. Exhibits low fidelity and efficiency opposite a thymidine template, where it will preferentially insert guanosine. May play a role in hypermutation of immunoglobulin genes. Forms a Schiff base with 5'-deoxyribose phosphate at abasic sites, but may not have lyase activity. |
| Product Categories/Family for anti-POLI antibody   | Epigenetics and Nuclear Signaling                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

NCBI AND UNIPROT INFORMATION

|                                  |                                      |
|----------------------------------|--------------------------------------|
| NCBI GI #                        | 154350220                            |
| NCBI GeneID                      | 11201                                |
| NCBI Accession #                 | NP_009126.2                          |
| NCBI GenBank Nucleotide #        | NM_007195.2                          |
| UniProt Accession #              | Q9UNA4; Q8N590; Q9H0S1; Q9NYH6       |
| Molecular Weight                 | 83,006 Da                            |
| NCBI Official Full Name          | DNA polymerase iota isoform a (long) |
| NCBI Official Synonym Full Names | DNA polymerase iota                  |
| NCBI Official Symbol             | POLI                                 |
| NCBI Official Synonym Symbols    | eta2; RAD30B; RAD3OB                 |
| NCBI Protein Information         | DNA polymerase iota                  |
| UniProt Protein Name             | DNA polymerase iota                  |
| UniProt Gene Name                | POLI                                 |
| UniProt Synonym Gene Names       | RAD30B                               |

**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://www.aaabiotech.com/polyclonal/poli-antibody-immunofluorescence-immunohistochemistry-elisa/233746>