

Datasheet for ABIN1702455

**anti-POLL antibody (AA 475-575) (Cy3)**[Go to Product page](#)

## Overview

|                      |                                                                                                                                |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------|
| Quantity:            | 100 µL                                                                                                                         |
| Target:              | POLL                                                                                                                           |
| Binding Specificity: | AA 475-575                                                                                                                     |
| Reactivity:          | Rat                                                                                                                            |
| Host:                | Rabbit                                                                                                                         |
| Clonality:           | Polyclonal                                                                                                                     |
| Conjugate:           | This POLL antibody is conjugated to Cy3                                                                                        |
| Application:         | Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)) |

## Product Details

|                       |                                                                           |
|-----------------------|---------------------------------------------------------------------------|
| Immunogen:            | KLH conjugated synthetic peptide derived from human DNA Polymerase lambda |
| Isotype:              | IgG                                                                       |
| Cross-Reactivity:     | Rat                                                                       |
| Predicted Reactivity: | Human,Mouse,Dog,Cow,Sheep,Pig,Chicken,Rabbit                              |
| Purification:         | Purified by Protein A.                                                    |

## Target Details

|                   |                                                         |
|-------------------|---------------------------------------------------------|
| Target:           | POLL                                                    |
| Alternative Name: | DNA Polymerase lambda ( <a href="#">POLL Products</a> ) |

## Target Details

**Background:** Synonyms: BETA N, BETAN, DNA directed DNA polymerase lambda, DNA polymerase beta 2, DNA polymerase beta-2, DNA polymerase kappa, DNA polymerase kappa DNA polymerase beta N, DNA polymerase lambda, DNA polymerase lamda2, DPOLL\_HUMAN, EC 2.7.7.7, EC 4.2.99., FLJ46002, OTTHUMP00000020321, OTTHUMP00000020323, OTTHUMP00000059179, Pol beta2, POL KAPPA, Pol Lambda, POLKAPPA, POLL, Polymerase DNA directed lambda.

Background: DNA polymerase lambda (pol lambda), also designated DNA polymerase lambda or Pol Beta2, is a low-fidelity polymerase which plays a role in both spontaneous and DNA damage-induced mutagenesis. Encoded by the POLL gene, pol lambda is a member of the DNA polymerase type-X family. Pol lambda extends primer-terminal mispairs opposite nondamaged DNA templates, suggesting that it may assist in extending mismatched base pairs during normal DNA replication. In addition, pol ?may play a role in the mutagenic bypass of T-T dimers. Proliferating cell nuclear antigen (PCNA), a protein essential to DNA replication, interacts with pol lambda and thus influences the ability of pol ?to synthesize DNA.

**Gene ID:** 27343

**Pathways:** [DNA Damage Repair](#), [Production of Molecular Mediator of Immune Response](#)

## Application Details

**Application Notes:** IF(IHC-P) 1:50-200  
IF(IHC-F) 1:50-200  
IF(ICC) 1:50-200

**Restrictions:** For Research Use only

## Handling

**Format:** Liquid

**Concentration:** 1 µg/µL

**Buffer:** Aqueous buffered solution containing 0.01M TBS ( pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

**Preservative:** ProClin

**Precaution of Use:** This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

**Storage:** -20 °C

**Storage Comment:** Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

## Handling

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Expiry Date: 12 months