Datasheet for ABIN1710432

# anti-POLK antibody (AA 1-100) (FITC)

Go to Product page

## Overview

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|---|---|
| Quantity: | 100 µL |
| Target: | POLK |
| Binding Specificity: | AA 1-100 |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This POLK antibody is conjugated to FITC |
| Application: | Flow Cytometry (FACS) |

## Product Details

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

## Target Details

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|---|---|
| Target: | POLK |
| Alternative Name: | DNA Polymerase Kappa/POLK (POLK Products) |
| Background: | Synonyms: DNA polymerase kappa, DINB protein, Short=DINP, POLK_HUMAN. |

## Target Details

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|---|---|
| | Background: DNA polymerase lambda (pol Kappa), also designated DNA polymerase Kappa 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 Kappa is a member of the DNA polymerase type-X family. Pol Kappa 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 Kappa 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 Kappa and thus influences the ability of pol Kappa to synthesize DNA. |
| Gene ID: | 51426 |
| Pathways: | DNA Damage Repair |

## Application Details

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|---|---|
| Application Notes: | FCM 1:20-100<br>IF(IHC-P) 1:50-200<br>IF(IHC-F) 1:50-200<br>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. |
| Expiry Date: | 12 months |