

Datasheet for ABIN1703041
anti-POLK antibody (AA 1-100) (Cy3)



[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	POLK
Binding Specificity:	AA 1-100
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This POLK antibody is conjugated to Cy3
Application:	Flow Cytometry (FACS)

Product Details

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

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

Target Details

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

Application Notes:	FCM 1:20-100 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.
Expiry Date:	12 months