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Datasheet for ABIN5001361

anti-POLL antibody (AA 475-575) (Alexa Fluor 680)

Overview

Quantity:	100 µL
Target:	POLL
Binding Specificity:	AA 475-575
Reactivity:	Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This POLL antibody is conjugated to Alexa Fluor 680
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 (POLL Products)

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

Expiry Date: 12 months