# Product Name: Topoisomerase I Rabbit Polyclonal Antibody
# Catalog #: APRab00094

## Summary

| | |
|---|---|
| **Production Name** | Topoisomerase I Rabbit Polyclonal Antibody |
| **Description** | Primary antibody |
| **Host** | Rabbit |
| **Application** | WB,IHC-P,ICC/IF,FC |
| **Reactivity** | Human,Mouse |

## Performance

| | |
|---|---|
| **Conjugation** | Unconjugated |
| **Modification** | Unmodified |
| **Isotype** | IgG |
| **Clonality** | Polyclonal Antibody |
| **Form** | Liquid |
| **Storage** | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles. |
| **Buffer** | Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. |
| **Purification** | Affinity Chromatography |

## Immunogen

| | |
|---|---|
| **Gene Name** | TOP1 |
| **Alternative Names** | TOP1; DNA topoisomerase 1; DNA topoisomerase I |
| **Gene ID** | 7150 |
| **SwissProt ID** | P11387 |

## Application

| | |
|---|---|
| **Dilution Ratio** | WB: 1/500-1/1000  IHC: 1/50-1/100  IF: 1/50-1/200  FC: 1/50-1/100 |
| **Molecular Weight** | Calculated MW: 91 kDa; Observed MW: 91 kDa |

**Product Name: Topoisomerase I Rabbit Polyclonal Antibody**
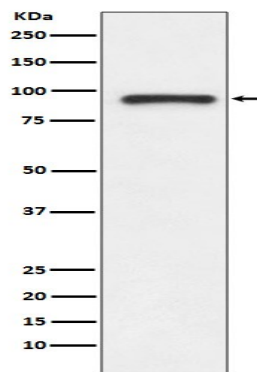**Catalog #: APRab00094**

## Background

Releases the supercoiling and torsional tension of DNA introduced during the DNA replication and transcription by transiently cleaving and rejoining one strand of the DNA duplex. Introduces a single-strand break via transesterification at a target site in duplex DNA. The scissile phosphodiester is attacked by the catalytic tyrosine of the enzyme, resulting in the formation of a DNA-(3'-phosphotyrosyl)-enzyme intermediate and the expulsion of a 5'-OH DNA strand.
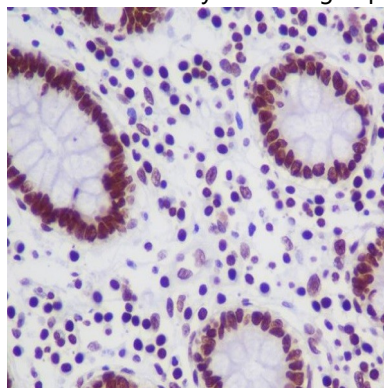
## Research Area

Epigenetics and Nuclear Signaling

## Image Data



Western blot analysis of TOP1 in Jurkat lysates using Topoisomerase I antibody.



Immunohistochemistry analysis of paraffin-embedded Human colon using TOP1 antibody.High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.

## Note

For research use only.