

## **Product Description**

Pioneering GTPase and Oncogene Product Development since 2010

## **TOPOISOMERASE I RABBIT MAB**

Cat.#: N263009

**Product Name:** Anti-Topoisomerase I Rabbit Monoclonal Antibody

Synonyms: TOP1; DNA topoisomerase 1; DNA topoisomerase I

**UNIPROT ID:** P11387

**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.

Immunogen: A synthetic peptide of human Topoisomerase I

**Applications:** WB,IHC-F,IHC-P,ICC/IF

**Recommended Dilutions:** WB: 1/500-1/1000 IHC: 1/50-1/100 IF: 1/50-1/200

Host Species: Rabbit

**Clonality:** Rabbit Monoclonal

**Clone ID:** R02-2H9

MW: Calculated MW: 91 kDa; Observed MW: 91 kDa

**Isotype:** IgG

**Purification:** Affinity Purified

Species Reactivity: Human, Mouse, Rat

**Conjugation:** Unconjugated **Modification:** Unmodified

Constituents: PBS (without Mg2+ and Ca2+), pH 7.3 containing 50%

glycerol, 0.5% BSA and 0.02% sodium azide

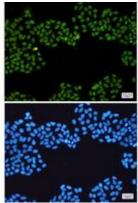
Research Areas: Epigenetics and Nuclear Signaling

Storage & Shipping: Store at -20°C. Avoid repeated freezing and thawing

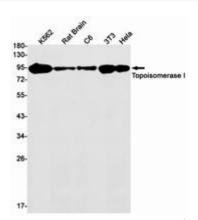


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Immunocytochemistry analysis of Topoisomerase I(green) in Hela using Topoisomerase I antibody,and DAPI(blue)



Western blot analysis of Topoisomerase I in K562, rat Brain, C6, 3T3, Hela lysates using Topoisomerase I antibody.



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