ABclonal www.abclonal.com

DNA topoisomerase I (TOP1) Rabbit mAb

Catalog No.: A12409 Recombinant 4 Publications

Basic Information

Observed MW

100kDa

Calculated MW

91kDa

Category

Primary antibody

Applications

WB,IHC-P,IF/ICC,IP,ELISA

Cross-Reactivity

Human, Mouse, Rat

CloneNo number

ARC0708

Background

This gene encodes a DNA topoisomerase, an enzyme that controls and alters the topologic states of DNA during transcription. This enzyme catalyzes the transient breaking and rejoining of a single strand of DNA which allows the strands to pass through one another, thus altering the topology of DNA. This gene is localized to chromosome 20 and has pseudogenes which reside on chromosomes 1 and 22.

Recommended Dilutions

WB 1:1000 - 1:6000

IHC-P 1:200 - 1:800

IF/ICC 1:100 - 1:1000

IP 0.5μg-4μg antibody for

200μg-400μg extracts of

whole cells

ELISA Recommended starting

concentration is 1 µg/mL.

Please optimize the concentration based on your specific assay requirements.

Contact

<u>a</u>	400-999-6126
\bowtie	cn.market@abclonal.com.cn
•	www.abclonal.com.cn

Immunogen Information

Gene ID7150

Swiss Prot
P11387

Immunogen

Synthetic peptide. This information is considered to be commercially sensitive.

Synonyms

TOPI; DNA topoisomerase I (TOP1)

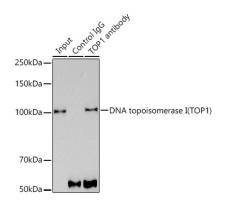
Product Information

SourceIsotypePurificationRabbitIgGAffinity purification

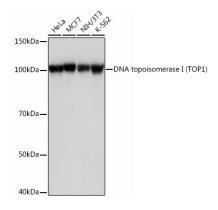
Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.



Immunoprecipitation analysis of 300 μ g extracts of MCF7 cells using 3 μ g DNA topoisomerase I (TOP1) antibody (A12409). Western blot was performed from the immunoprecipitate using DNA topoisomerase I (TOP1) antibody (A12409) at a dilution of 1:1000.



Western blot analysis of various lysates using DNA topoisomerase I (DNA topoisomerase I (TOP1)) Rabbit mAb (A12409) at 1 \square 1000 dilution.

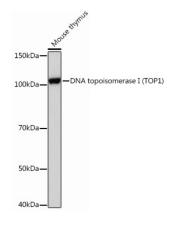
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 1s.



Western blot analysis of lysates from Mouse thymus, using DNA topoisomerase I (DNA topoisomerase I (TOP1)) Rabbit mAb (A12409) at 1000 dilution.

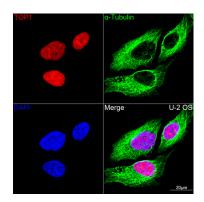
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

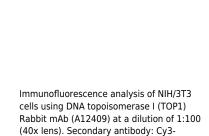
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 5s.



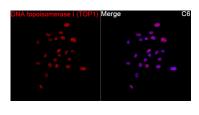
Confocal imaging of U-2 OS cells using DNA topoisomerase I (TOP1) Rabbit mAb (A12409,dilution 1:100)(Red). The cells were counterstained with $\alpha\textsc{-}$ Tubulin Mouse mAb (AC012,dilution 1:400) (Green). DAPI was used for nuclear staining (blue). Objective: 100x.



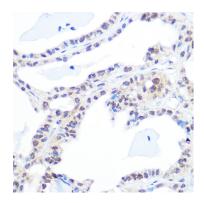
(H+L)(AS007) at 1:500 dilution. Blue: DAPI

conjugated Goat anti-Rabbit IgG

for nuclear staining.



Immunofluorescence analysis of C6 cells using DNA topoisomerase I (TOP1) Rabbit mAb (A12409) at a dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L)(AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunohistochemistry analysis of paraffinembedded Human thyroid cancer using DNA topoisomerase I (DNA topoisomerase I (TOP1)) Rabbit mAb (A12409) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.