

DNA topoisomerase I (TOP1) Rabbit pAb

Catalog No.: A12524

Basic Information

Observed MW

120kDa

Calculated MW

91kDa

Category

Primary antibody

Applications

ELISA, WB, IHC-P, IP

Cross-Reactivity

Human, Mouse

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	1:500 - 1:2000
IHC-P	1:50 - 1:200
IP	1:20 - 1:50

Immunogen Information

Gene ID	Swiss Prot
7150	P11387

Immunogen

A synthetic peptide corresponding to a sequence within amino acids 1-100 of human DNA topoisomerase I (DNA topoisomerase I (TOP1)) (NP_003277.1).

Synonyms

TOPI; DNA topoisomerase I (TOP1)

Contact

 | www.abclonal.com

Product Information

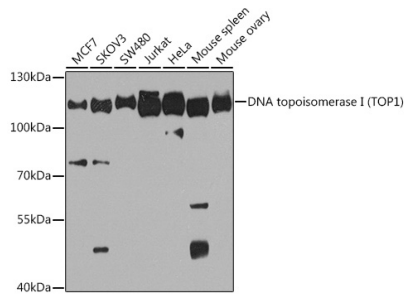
Source	Isotype	Purification
Rabbit	IgG	Affinity purification

Storage

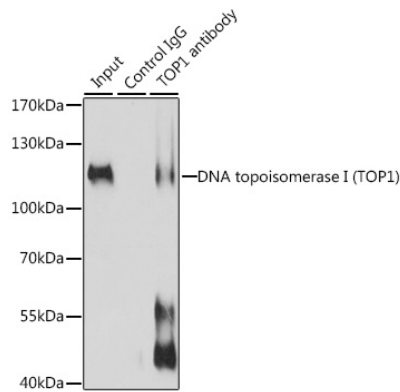
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

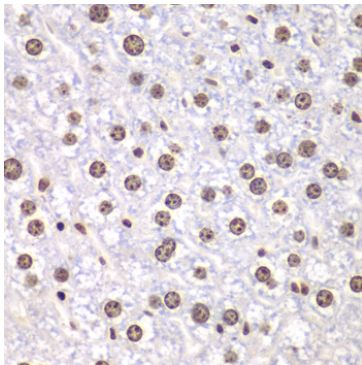
Validation Data



Western blot analysis of extracts of various cell lines, using DNA topoisomerase I (DNA topoisomerase I (TOP1)) antibody (A12524) at 1:1000 dilution.
Secondary antibody: HRP 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: 90s.



Immunoprecipitation analysis of 200 µg extracts of Jurkat cells, using 3 µg DNA topoisomerase I (DNA topoisomerase I (TOP1)) antibody (A12524). Western blot was performed from the immunoprecipitate using DNA topoisomerase I (DNA topoisomerase I (TOP1)) antibody (A12524) at a dilution of 1:1000.



Immunohistochemistry analysis of paraffin-embedded mouse liver using DNA topoisomerase I (DNA topoisomerase I (TOP1)) antibody (A12524) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.