

Product datasheet for TA382705S

OriGene Technologies, Inc.

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Topoisomerase I (TOP1) Rabbit Polyclonal Antibody

Product data:

Product Type:Primary AntibodiesApplications:ELISA, IHC, IP, WBRecommended Dilution:WB,1:500 - 1:2000

IHC-P,1:50 - 1:200

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.

Reactivity: Human, Mouse **Modifications:** Unmodified

Host: Rabbit Isotype: IgG

Clonality: Polyclonal

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

Concentration: lot specific

Purification: Affinity purification

Conjugation: Unconjugated

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

Stability: Shelf life: one year from despatch.

Predicted Protein Size: 91kDa

Gene Name: topoisomerase (DNA) I

Database Link: Entrez Gene 7150 Human

P11387

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

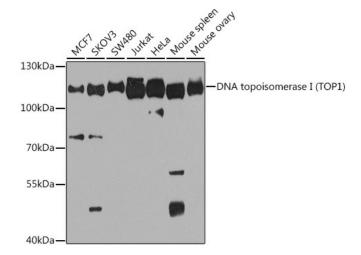
pseudogenes which reside on chromosomes 1 and 22.

Synonyms: TOPI

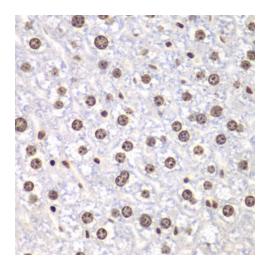




Product images:

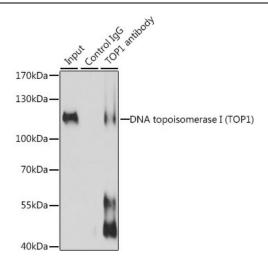


Western blot analysis of various lysates using DNA topoisomerase I (TOP1) Rabbit pAb ([TA382705]) at 1:1000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 90s.



Immunohistochemistry analysis of paraffinembedded Mouse liver using DNA topoisomerase I (TOP1) Rabbit pAb ([TA382705]) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.





Immunoprecipitation analysis of 200 μg extracts of Jurkat cells