

## DNA topoisomerase I (TOP1) Antibody

CAB12524

### Description

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This DNA topoisomerase I (TOP1) Antibody is supplied as a kit for advanced applications. The kit includes Bradford Reagent to quantify total protein concentration for accurate sample normalization (Optional).

### Product Information

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**SKU:** CAB12524  
**Contents:** 20 µL, 100 µL  
Bradford Reagent: 1 vial (2ml)  
**Category:** Polyclonal Antibody  
**Synonyms:** TOPI, DNA topoisomerase I (TOP1)  
**Clone:** -  
**Applications:** **WB** | **IHC-P** | **IP** | **ELISA**  
**Conjugation:** Unconjugated  
**Reactivity:** Human, Mouse

### Antibody Data

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**Gene ID:** 7150  
**Uniprot:** AB\_2759364  
**Host Species:** Rabbit  
**Purification:** Affinity purification  
**Observed MW:** 120kDa  
**Calculated MW:** 91kDa

## Preparation & Storage

**Storage:** Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS containing 50% glycerol, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

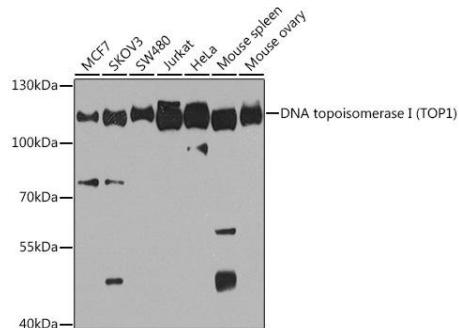
Store Bradford Reagent at Room Temperature for 1 Year.

**Positive Sample:** MCF7, SKOV3, SW480, Jurkat, HeLa, Mouse spleen, Mouse ovary

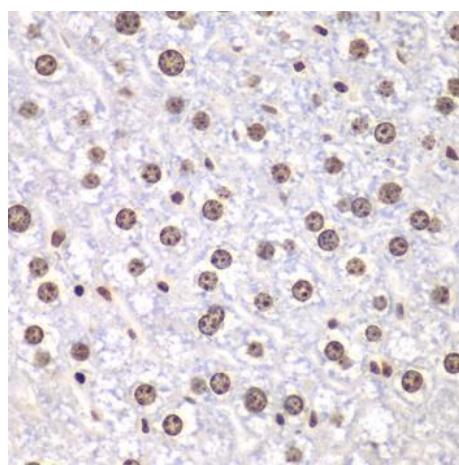
<b>Recommended Dilutions:</b>	<table border="1"> <tr> <td><b>WB</b></td><td>1:500 - 1:2000</td></tr> <tr> <td><b>IHC-P</b></td><td>1:50 - 1:200</td></tr> <tr> <td><b>IP</b></td><td>0.5µg-4µg antibody for 200µg-400µg extracts of whole cells</td></tr> <tr> <td><b>ELISA</b></td><td>Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.</td></tr> </table>	<b>WB</b>	1:500 - 1:2000	<b>IHC-P</b>	1:50 - 1:200	<b>IP</b>	0.5µg-4µg antibody for 200µg-400µg extracts of whole cells	<b>ELISA</b>	Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.
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**Protein Quantification (Optional):** To quantify total protein levels, use the Bradford Reagent included in this kit. Visit <https://www.assaygenie.com/bradford-protein-assay-protocol/> to view the full protocol

## Validation Data



Western blot analysis of various lysates using DNA topoisomerase I Rabbit pAb (CAB12524) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (AbGn00020). Exposure time: 90s.



Immunohistochemistry analysis of paraffin-embedded Mouse liver using DNA topoisomerase I Rabbit pAb (CAB12524) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.

