

# Anti-Topoisomerase II alpha (phospho S1106) antibody [EP2722] ab75765

Recombinant RabMAb

[4 References](#) [3 Images](#)

### Overview

<b>Product name</b>	Anti-Topoisomerase II alpha (phospho S1106) antibody [EP2722]
<b>Description</b>	Rabbit monoclonal [EP2722] to Topoisomerase II alpha (phospho S1106)
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB, IHC-P <b>Unsuitable for:</b> Flow Cyt, ICC/IF or IP
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
<b>Positive control</b>	HeLa whole cell lysate ( <a href="#">ab150035</a> ), untreated or treated with AP and colonic adenocarcinoma tissue.
<b>General notes</b>	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"><li>- High batch-to-batch consistency and reproducibility</li><li>- Improved sensitivity and specificity</li><li>- Long-term security of supply</li><li>- Animal-free production</li></ul> <p>For more information <a href="#">see here</a>.</p> <p>Our RabMAb<sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb<sup>®</sup> patents</a>.</p> <p>Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.</p>

### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
<b>Storage buffer</b>	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 9% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA, 50% Tissue culture supernatant

<b>Purity</b>	Protein A purified
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	EP2722
<b>Isotype</b>	IgG

## Applications

**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab75765 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

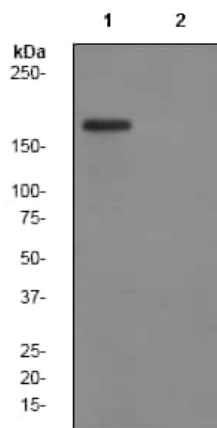
Application	Abreviews	Notes
<b>WB</b>		1/500. Detects a band of approximately 174 kDa (predicted molecular weight: 174 kDa).
<b>IHC-P</b>		1/100 - 1/250. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.

**Application notes** Is unsuitable for Flow Cyt, ICC/IF or IP.

## Target

<b>Function</b>	Control of topological states of DNA by transient breakage and subsequent rejoining of DNA strands. Topoisomerase II makes double-strand breaks.
<b>Sequence similarities</b>	Belongs to the type II topoisomerase family.
<b>Post-translational modifications</b>	Phosphorylation has no effect on catalytic activity.
<b>Cellular localization</b>	Cytoplasm. Nucleus > nucleoplasm. Generally located in the nucleoplasm.

## Images



Western blot - Anti-Topoisomerase II alpha (phospho S1106) antibody [EP2722] (ab75765)

**All lanes** : Anti-Topoisomerase II alpha (phospho S1106) antibody [EP2722] (ab75765) at 1/500 dilution

**Lane 1** : HeLa cell lysates, untreated

**Lane 2** : HeLa cell lysates, treated with AP

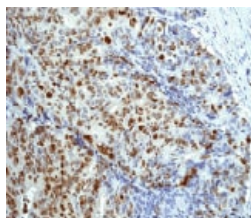
Lysates/proteins at 10 µg per lane.

**Secondary**

**All lanes** : goat anti-rabbit HRP at 1/2000 dilution

**Predicted band size:** 174 kDa

**Observed band size:** 174 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Topoisomerase II alpha (phospho S1106) antibody [EP2722] (ab75765)

ab75765 at 1/100 dilution staining Topoisomerase II alpha in colonic adenocarcinoma by Immunohistochemistry, Paraffin-embedded tissue

Perform heat mediated antigen retrieval before commencing with IHC staining protocol.

Why choose a recombinant antibody?



**Research with confidence**  
Consistent and reproducible results



**Long-term and scalable supply**  
Recombinant technology



**Success from the first experiment**  
Confirmed specificity



**Ethical standards compliant**  
Animal-free production

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**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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