

Product datasheet

Anti-Topoisomerase III alpha antibody ab108493

画像数 2

製品の概要

製品名	Anti-Topoisomerase III alpha antibody
製品の詳細	Rabbit polyclonal to Topoisomerase III alpha
由来種	Rabbit
アプリケーション	適用あり: WB, ICC/IF
種交差性	交差種: Human 交差が予測される動物種: Chimpanzee, Gorilla 
免疫原	Synthetic peptide conjugated to KLH derived from within residues 900 - 1000 of Human Topoisomerase III alpha. Immunogen の所有権に関して
ポジティブ・コントロール	This antibody gave a positive signal in both HeLa and HEK293 whole cell lysates. This antibody gave a positive result in IF in the following Methanol fixed cell line: HeLa.

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
バッファー	pH: 7.40 Preservative: 0.02% Sodium azide Constituent: PBS Note: Batches of this product that have a concentration < 1mg/ml may have BSA added as a stabilising agent. If you would like information about the formulation of a specific lot, please contact our scientific support team who will be happy to help.
精製度	Immunogen affinity purified
ポリ/モノ	ポリクローナル
アイソタイプ	IgG

アプリケーション

Our [Abpromise guarantee](#) covers the use of **ab108493** in the following tested applications.

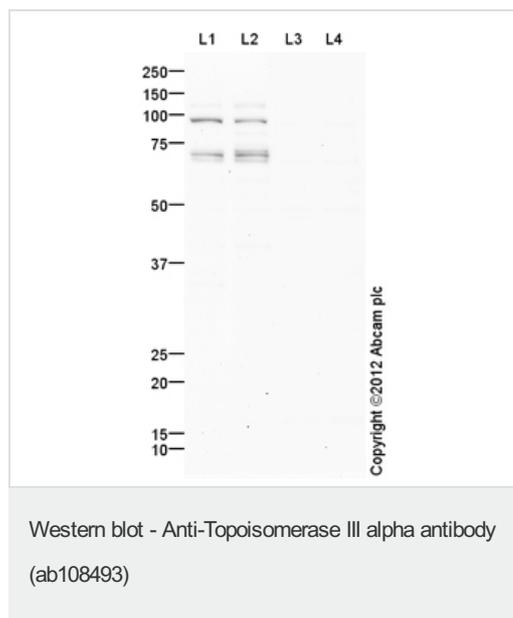
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

アプリケーション	Abreviews	特記事項
WB		Use a concentration of 1 µg/ml. Detects a band of approximately 100 kDa (predicted molecular weight: 112 kDa).
ICC/IF		Use a concentration of 1 µg/ml.

ターゲット情報

機能	Reduces the number of supercoils in a highly negatively supercoiled DNA. Essential component of the RMI complex, a complex that plays an important role in the processing of homologous recombination intermediates to limit DNA crossover formation in cells.
組織特異性	High expression is found in testis, heart, skeletal muscle and pancreas.
配列類似性	Belongs to the prokaryotic type VIII topoisomerase family. Contains 1 Toprim domain.

画像



All lanes : Anti-Topoisomerase III alpha antibody (ab108493) at 1 µg/ml

Lane 1 : HeLa (Human epithelial carcinoma cell line) Whole Cell Lysate

Lane 2 : HEK293 (Human embryonic kidney cell line) Whole Cell Lysate

Lane 3 : HeLa (Human epithelial carcinoma cell line) Whole Cell Lysate with Immunizing peptide at 1 µg/ml

Lane 4 : HEK293 (Human embryonic kidney cell line) Whole Cell Lysate with Immunizing peptide at 1 µg/ml

Lysates/proteins at 10 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) preadsorbed (ab97080) at 1/5000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

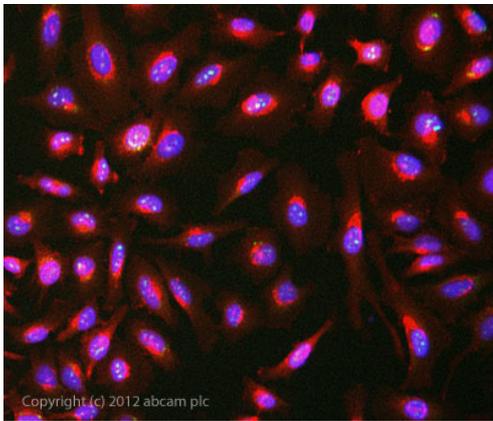
Predicted band size: 112 kDa

Observed band size: 100 kDa

[why is the actual band size different from the predicted?](#)

Additional bands at: 110 kDa, 70 kDa. We are unsure as to the identity of these extra bands.

Exposure time: 16 minutes



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Immunocytochemistry/ Immunofluorescence - Anti-Topoisomerase III alpha antibody (ab108493)

ab108493 stained HeLa cells. The cells were 100% methanol fixed (5 min) and then incubated in 1%BSA / 10% normal goat serum / 0.3M glycine in 0.1% PBS-Tween for 1h to permeabilise the cells and block non-specific protein-protein interactions. The cells were then incubated with the antibody ab108493 at 1µg/ml overnight at +4°C. The secondary antibody (green) was DyLight® 488 goat anti-rabbit (ab96899) IgG (H+L) used at a 1/1000 dilution for 1h. Alexa Fluor® 594 WGA was used to label plasma membranes (red) at a 1/200 dilution for 1h. DAPI was used to stain the cell nuclei (blue) at a concentration of 1.43µM.

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