

Product datasheet

Anti-Topoisomerase II alpha antibody ab73724

2 Images

Overview

Product name	Anti-Topoisomerase II alpha antibody
Description	Rabbit polyclonal to Topoisomerase II alpha
Host species	Rabbit
Specificity	This antibody detects endogenous levels of total Topoisomerase II alpha protein.
Tested applications	Suitable for: WB, ELISA, IHC-P
Species reactivity	Reacts with: Human
Immunogen	A synthesized non-phosphopeptide derived from human Topoisomerase II alpha around the phosphorylation site of serine 1106 (E-E-S ^P -D-N).
Positive control	Human breast carcinoma tissue and extracts from LOVO cells.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	Preservative: 0.02% Sodium Azide Constituents: 50% Glycerol, PBS, 150mM Sodium chloride, pH 7.4
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab73724** in the following tested applications.

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

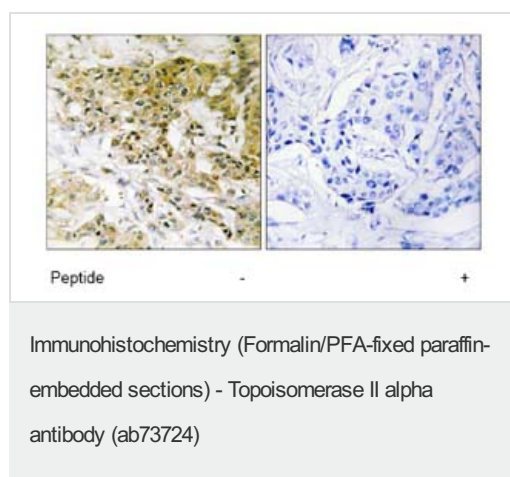
Application	Abreviews	Notes
WB		1/500 - 1/1000. Detects a band of approximately 174 kDa (predicted molecular weight: 174 kDa).
ELISA		1/5000.

Application	Abreviews	Notes
IHC-P		Use at an assay dependent concentration.

Target

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

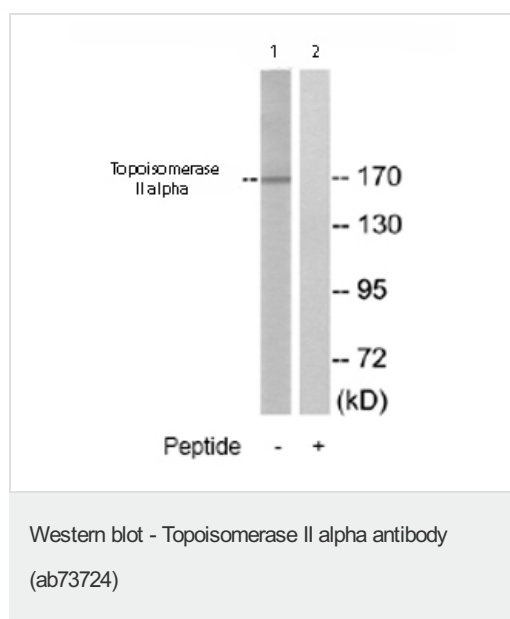
Images



Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissue using ab73724 at a 1:50 dilution.

Left image un-treated.

Right image treated with immunizing peptide.



All lanes : Anti-Topoisomerase II alpha antibody (ab73724) at 1/500 dilution

Lane 1 : Extracts from LOVO cells

Lane 2 : Extracts from LOVO cells plus 10µg immunizing peptide

Lysates/proteins at 30 µg per lane.

Predicted band size: 174 kDa

Observed band size: 174 kDa

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