

## Topoisomerase II- $\alpha$ Recombinant Rabbit Monoclonal Antibody

Cat:HKZ150134

Company: HaoKebio

Uniprot ID: P11388

Applications:

IHC: 1:100-1:200

Organism:Rabbit

IHC-Polymer: 1:400-1:800

Species reactivity:Human

TSA:1:500-1:1000

Predicted Molecular Weight: 174 kDa

### Background:

Topoisomerase II- $\alpha$  is a 170 kDa nuclear protein that plays a critical role in DNA synthesis, RNA transcription, and chromosome segregation during mitosis. It has been reported that Topoisomerase II- $\alpha$  is a sensitive and specific marker for the S-, G2-, and late M-phases in normal cells undergoing transformation and developmental regulation. It has also been shown to be overexpressed in many human cancers.Reduced expression of Topoisomerase II- $\alpha$  is a major mechanism of resistance to certain chemotherapeutic drugs.

### Protein full name:

Topoisomerase II-  $\alpha$

### Synonyms:

DNA topoisomerase 2 alpha, TOP II,

### Immunogen:

A synthetic peptide corresponding to amino acid residues 1431-1531 of Topo II  $\alpha$  was used as the immunogen.

### Isotype:

IgG

### Subcellular location:

Nucleus

### Purity:

Affinity purification

### Form:

Liquid

### Storage Buffer:

59% PBS, 0.01% sodium azide, 40% glycerol, 0.05% BSA.

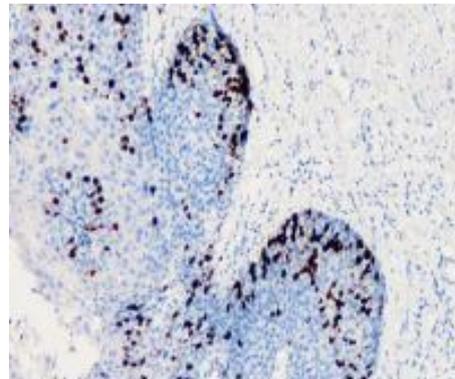
### Storage:

Ship on blue ice. Upon receipt, aliquot and store at -25°C to -18°C. Avoid repeated freeze-thaw cycles.

### Experimental procedure:

Antigen retrieval using Tris-EDTA buffer (pH 9.0); primary antibody incubation at room temperature (18 °C - 25 °C) for 30 minutes.

### Images:



Immunohistochemical results of Topoisomerase II-  $\alpha$  labeled with HKZ150134 in esophageal tissue (formalin-fixed, paraffin-embedded sections). Tris-EDTA buffer (pH 9.0) was used for antigen retrieval.

### Source of Reagents:

1. Lynch BJ, et al, Hum Pathol. 1997 Oct;28(10):1180-8.
2. Gupta D, et al,Appl Immunohistochem Mol Morphol.2001 Sep;9(3):215-21.

### Source of Reagents:

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发表[英文论文]请标注:Topoisomerase II-  $\alpha$  (HKZ150134 ) were kindly provided by Hangzhou Haoke Biotechnology y Co., Ltd.

