

# Topoisomerase II alpha(Phospho-Ser1469) Rabbit Polyclonal Antibody

## Description

**Product type** Primary Antibody

Code BT-AP13126

**Host** Rabbit

Isotype IgG

Size 100ul, 50ul, 20ul

 Immunogen
 Synthesized phosho peptide around human Topoisomerase IIα (Ser1469)

Mol wt N/A

Species reactivity Human, Rat, Mouse

Clonality Polyclonal

Recommended application WB

Concentration 1 mg/ml

Full name Topoisomerase IIalpha

Synonyms Topoisomerase IIα; Ser1469; DNA topoisomerase 2-alpha; EC 5.99.1.3; DNA topoisomerase II; alpha

isozyme

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

#### Background

This gene encodes a DNA topoisomerase an enzyme that controls and alters the topologic states of DNA during transcription. This nuclear enzyme is involved in processes such as chromosome condensation chromatid separation and the relief of torsional stress that occurs during DNA transcription and replication. It catalyzes the transient breaking and rejoining of two strands of duplex DNA which allows the strands to pass through one another thus altering the topology of DNA. Two forms of this enzyme exist as likely products of a gene duplication event. The gene encoding this form alpha is localized to chromosome 17 and the beta gene is localized to chromosome 3. The gene encoding this enzyme functions as the target for several anticancer agents and a variety of mutations in this gene have been associated with the development of drug resistance. Reduced activity of this enzyme may also pla

#### Recommended Dilution

WB: 1: 1000 - 1: 2000

Not yet tested in other applications.

# **Images**

No images.

### Storage

-20°C for 1 year