

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 II α (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 II α ;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