

Topoisomerase II α (phospho-Ser1469) rabbit pAb

Catalog No: #13473

Package Size: #13473-1 50ul #13473-2 100ul

Description

Product Name	Topoisomerase II α (phospho-Ser1469) rabbit pAb
Host Species	Rabbit
Clonality	Polyclonal
Purification	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.
Applications	WB
Species Reactivity	Human
Specificity	This antibody detects endogenous levels of Human Topoisomerase II α (phospho-Ser1469)
Immunogen Description	Synthesized phospho peptide around human Topoisomerase II α (Ser1469)
Conjugates	Unconjugated
Other Names	DNA topoisomerase 2-alpha (EC 5.99.1.3) (DNA topoisomerase II, alpha isozyme)
Accession No.	Swiss Prot:P11388GenelD:7153
SDS-PAGE MW	174
Concentration	1 mg/ml
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	-20°C/1

Application Details

WB 1:1000-2000

Background

topoisomerase (DNA) II alpha(TOP2A) Homo sapiens 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

Note: This product is for in vitro research use only and is not intended for use in humans or animals.