

Topo II α (phospho Ser1106) Polyclonal Antibody

Catalog No: #13474



Package Size: #13474-1 50ul #13474-2 100ul

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Description

Product Name	Topo II α (phospho Ser1106) Polyclonal Antibody
Host Species	Rabbit
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Applications	WB,IHC-p,IF(paraffin section),ELISA
Species Reactivity	Human
Specificity	Phospho-Topo II α (S1106) Polyclonal Antibody detects endogenous levels of Topo II α protein only when phosphorylated at S1106.
Immunogen Description	The antiserum was produced against synthesized peptide derived from human TOP2A around the phosphorylation site of Ser1106. AA range:1081-1130
Other Names	TOP2A; TOP2; DNA topoisomerase 2-alpha; DNA topoisomerase II; alpha isozyme
Accession No.	Swiss Prot:P11388GeneID:7153
Uniprot	P11388
GeneID	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

Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/5000. Not yet tested in other applications.

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