

Topoisomerase II α (phospho-Ser1469) rabbit pAb

Catalog_no :	AP1533
Applications :	WB
Reactivity :	Human
Category :	抗原抗体
Size :	100 μ g/50 μ g/20 μ g
Gene_name :	TOP2A TOP2
Protein_name :	Topoisomerase II α (Ser1469)
Humangene_id :	7153
Humanswissprot_no :	P11388
Mousegene_id :	21973
Mouseswissprot_no :	Q01320
Ratgene_id :	360243
Ratswissprot_no :	P41516
Immunogen :	Synthesized phosho peptide around human Topoisomerase II α (Ser1469)
Specificity :	This antibody detects endogenous levels of Human Topoisomerase II α (phospho-Ser1469)
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Rabbit
Dilution :	WB 1:1000-2000
Purification :	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.
Concentration :	1 mg/ml
Storage_stability :	-20°C/1 year
Other_name :	DNA topoisomerase 2-alpha (EC 5.99.1.3) (DNA topoisomerase II, alpha isozyme)

Molecular Weight : 174KD

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
