Phospho-Topoisomerase II alpha (Ser1106) Rabbit pAb

db20717 **Package : 20μL 50μL 100μL**

Product Name : Phospho-Topoisomerase II alpha (Ser1106) Rabbit pAb
Cat.No.: db20717
Synonyms : TOP2; TP2A
Application : WB, IHC, ICC/IF
Reactivity : Human
Host species : Rabbit

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 play a role in ataxia-telangiectasia. [provided by RefSeq, Jul 2010]
Immunogen	A synthetic phosphopeptide corresponding to residues surrounding Ser1106 of human Topoisomerase II alpha
Gene ID	7153
Swiss Prot	P11388
Synonyms	TOP2; TP2A
Reactivity	Human
Application	WB, IHC, ICC/IF
Recommended dilution	WB: 1:1000 IHC: 1:50 ICC/IF: 1:50
Calculated MW	174 kDa
Observed MW	174 kDa
Host species	Rabbit

Clonality	Polyclonal
Isotype	IgG
Purity	Affinity Purification
Conjugation	Un-conjugated
Storage Stability	Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt.