

Topoisomerase II alpha Rabbit pAb

db2372

Package : 20µL 50µL 100µL

Product Name : Topoisomerase II alpha Rabbit pAb**Cat.No.:** db2372**Synonyms** : TOP2; TP2A**Application** : WB, IHC**Reactivity** : Human, Mouse, Rat**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 peptide of human Topoisomerase II alpha

Gene ID

7153

Swiss Prot

P11388

Synonyms

TOP2; TP2A

Reactivity

Human, Mouse, Rat

Application

WB, IHC

Recommended dilution

WB: 1:2000

IHC: 1:200

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.