Datasheet for ABIN7384013

anti-Topoisomerase II alpha antibody

Go to Product page

Overview

Quantity:	20 µL
Target:	Topoisomerase II alpha (TOP2A)
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Topoisomerase II alpha antibody is un-conjugated
Application:	Immunohistochemistry (IHC), ELISA

Product Details

Immunogen:	Synthetic peptide of human TOP2A
Isotype:	IgG
Purification:	Affinity purification

Target Details

Target:	Topoisomerase II alpha (TOP2A)
Alternative Name:	TOP2A (TOP2A Products)
Background:	Alpha isozyme,ATP hydrolyzing DNA topoisomerase II alfa,DNA gyrase,DNA topoisomerase (ATP hydrolyzing),DNA topoisomerase 2 alpha,DNA topoisomerase 2-alpha,DNA topoisomerase II 170 kD,DNA topoisomerase II alpha isozyme,DNA topoisomerase II,DNA Topoisomerase2,TOP 2A,TOP2,TOP2A,TOP2A,Topoisomerase DNA II alpha 170 kDa,TP2A,This gene encodes a DNA topoisomerase, an enzyme that controls and alters the topologic states of

Target Details

	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.
NCBI Accession:	NP_001058
UniProt:	P11388
Pathways:	Cell Division Cycle, Mitotic G1-G1/S Phases

Application Details

Application Notes:	IHC 1:50-1:200
Restrictions:	For Research Use only

Handling

Concentration:	0.2 mg/mL
Buffer:	PBS with 0.05 % sodium azide and 50 % glycerol, PH7.4
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.