
Product Name: Phospho-Topoisomerase II alpha (Thr1343) Rabbit Monoclonal Antibody
Catalog #: AMRe87438

For research use only.

Summary

Description	Recombinant rabbit monoclonal antibody
Host	Rabbit
Application	WB,IHC,ICC/IF
Reactivity	Human
Conjugation	Unconjugated
Modification	Phosphorylated
Isotype	IgG
Clonality	Monoclonal
Form	Liquid
Concentration	0.5mg/ml. The concentration of this product may be batch-dependent.
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% protective protein. Stable for 12 months from date of receipt.
Purification	Affinity Purification

Application

Dilution Ratio	WB 1:500-1:2000,IHC 1:50-1:200,ICC/IF 1:20-1:100
Molecular Weight	Calculated MW:174 kDa; Observed MW:174 kDa

Antigen Information

Gene Name	Phospho-Topoisomerase II alpha
Alternative Names	TOP2; TP2A
Gene ID	7153
SwissProt ID	P11388
Immunogen	A synthetic phosphopeptide corresponding to residues surrounding Thr1343 of human Topoisomerase II alpha

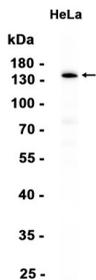
Background

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]

Research Area

Image Data



Western blot analysis of extracts from HeLa cells using Phospho-Topoisomerase II alpha (Thr1343) Rabbit Monoclonal Antibody at 1:1000.