



## Topo IIα (phospho Ser1525) Polyclonal Antibody

Catalog No	BYab-01372
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB;IHC;IF;ELISA
Gene Name	TOP2A
Protein Name	DNA topoisomerase 2-alpha
Immunogen	The antiserum was produced against synthesized peptide derived from human TOP2A around the phosphorylation site of Ser1525. AA range:1482-1531
Specificity	Phospho-Topo IIα (S1525) Polyclonal Antibody detects endogenous levels of Topo IIα protein only when phosphorylated at S1525.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB: 1/500 - 1/2000. IHC: 1/100 - 1/300. ELISA: 1/5000 IF 1:50-200
Concentration	1 mg/ml
Concentration  Purity	1 mg/ml ≥90%
Purity	≥90%
Purity Storage Stability	≥90%  -20°C/1 year  TOP2A; TOP2; DNA topoisomerase 2-alpha; DNA topoisomerase II; alpha
Purity Storage Stability Synonyms	≥90%  -20°C/1 year  TOP2A; TOP2; DNA topoisomerase 2-alpha; DNA topoisomerase II; alpha isozyme
Purity Storage Stability Synonyms Observed Band	≥90%  -20°C/1 year  TOP2A; TOP2; DNA topoisomerase 2-alpha; DNA topoisomerase II; alpha isozyme 190kD

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COPS5..

## 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 Background 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 matters needing Avoid repeated freezing and thawing! attention

**Usage suggestions** 

This product can be used in immunological reaction related experiments. For

more information, please consult technical personnel.

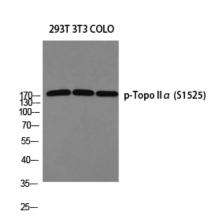
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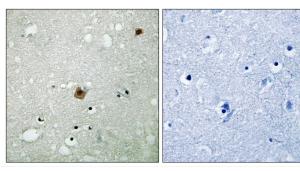




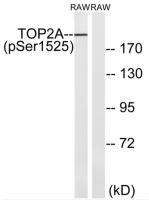
## **Products Images**



Western blot analysis of 293T 3T3 COLO using p-Topo IIα (S1525) antibody. Antibody was diluted at 1:1000



Immunohistochemistry analysis of paraffin-embedded human brain, using TOP2A (Phospho-Ser1525) Antibody. The picture on the right is blocked with the phospho peptide.



Western blot analysis of lysates from RAW264.7 cells treated with TNF 20ng/ml 5', using TOP2A (Phospho-Ser1525) Antibody. The lane on the right is blocked with the phospho peptide.