



# TOP2A (Phospho Ser1213) rabbit pAb

<b>Catalog No</b>	BYab-15712
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Rat;Mouse;
<b>Applications</b>	WB; ELISA
<b>Gene Name</b>	TOP2A TOP2
<b>Protein Name</b>	TOP2A (Phospho Ser1213)
<b>Immunogen</b>	Synthesized peptide derived from human TOP2A (Phospho Ser1213)
<b>Specificity</b>	This antibody detects endogenous levels of Human TOP2A (Phospho Ser1213)
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source</b>	Polyclonal, Rabbit,IgG
<b>Purification</b>	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.
<b>Dilution</b>	WB 1:1000-2000 ELISA 1:5000-20000
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	DNA topoisomerase 2-alpha (EC 5.99.1.3;DNA topoisomerase II, alpha isozyme)
<b>Observed Band</b>	174kD
<b>Cell Pathway</b>	Cytoplasm . Nucleus, nucleoplasm . Nucleus . Nucleus, nucleolus .
<b>Tissue Specificity</b>	Expressed in the tonsil, spleen, lymph node, thymus, skin, pancreas, testis, colon, kidney, liver, brain and lung (PubMed:9155056). Also found in high-grade lymphomas, squamous cell lung tumors and seminomas (PubMed:9155056).
<b>Function</b>	DNA metabolic process, DNA replication, DNA topological change, DNA ligation, DNA repair, DNA packaging, apoptosis,response to DNA damage stimulus, nucleus organization, chromosome segregation, intracellular signaling cascade, cell death, regulation of cell death, positive regulation of cell death, programmed cell death, death, second-messenger-mediated signaling, chromosome condensation, apoptotic nuclear changes, apoptotic chromosome condensation,cellular response to stress, regulation of apoptosis, positive regulation of apoptosis, regulation of programmed cell death, positive regulation of programmed cell death, regulation of viral genome replication, positive regulation of viral genome replication, regulation of retroviral genome replication, positive regulation of retroviral genome

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replication,phosphoinositide-mediated signaling, positive regulation of viral reproduction, regulatio

**Background**

catalytic activity:ATP-dependent breakage, passage and rejoining of double-stranded DNA.,enzyme regulation:Specifically inhibited by the intercalating agent amsacrine.,function:Control of topological states of DNA by transient breakage and subsequent rejoining of DNA strands. Topoisomerase II makes double-strand breaks.,miscellaneous:Eukaryotic topoisomerase I and II can relax both negative and positive supercoils, whereas prokaryotic enzymes relax only negative supercoils.,PTM:Phosphorylation has no effect on catalytic activity.,similarity:Belongs to the type II topoisomerase family.,subcellular location:Generally located in the nucleoplasm.,subunit:Homodimer. Interacts with COPS5.,

**matters needing attention**

Avoid repeated freezing and thawing!

**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

**Products Images**

Western Blot analysis of various,using primary antibody at 1:1000 dilution. Secondary antibody(catalog#:RS23920) was diluted at 1:10000