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Topo IIα (phospho Ser1525) Polyclonal Antibody
Catalog # AP67768

Specification

Topo IIα (phospho Ser1525) Polyclonal Antibody - Product Information

Application	**WB, IHC-P**
Primary Accession	P11388
Reactivity	**Human, Mouse, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**

Topo IIα (phospho Ser1525) Polyclonal Antibody - Additional Information

Gene ID 7153

Other Names
TOP2A; TOP2; DNA topoisomerase 2-alpha; DNA topoisomerase II; alpha isozyme

Dilution
WB~~Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/5000. Not yet tested in other applications.
IHC-P~~N/A

Format
Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

Storage Conditions
-20℃

Topo IIα (phospho Ser1525) Polyclonal Antibody - Protein Information

Name TOP2A

Synonyms TOP2

Function
Key decatenating enzyme that alters DNA topology by binding to two double-stranded DNA molecules, generating a double-stranded break in one of the strands, passing the intact strand through the broken strand, and religating the broken strand (PubMed:17567603, PubMed:18790802, PubMed:22013166, PubMed:22323612). May play a role in regulating the period length of BMAL1 transcriptional oscillation (By similarity).

Cellular Location
Cytoplasm. Nucleus, nucleoplasm. Nucleus. Nucleus, nucleolus

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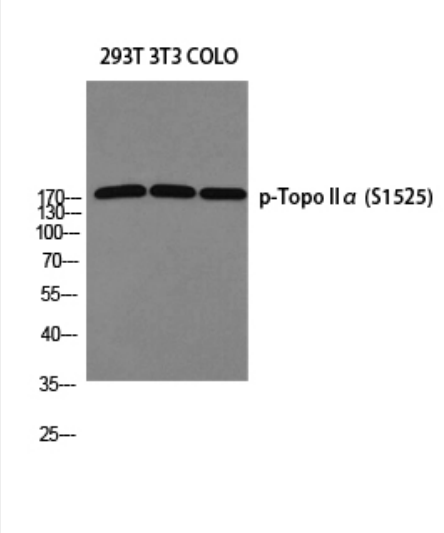
Tissue Location
Expressed in the tonsil, spleen, lymph node, thymus, skin, pancreas, testis, colon, kidney, liver, brain and lung (PubMed:9155056). Also found in high-grade lymphomas, squamous cell lung tumors and seminomas (PubMed:9155056)

Topo IIα (phospho Ser1525) Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Topo IIα (phospho Ser1525) Polyclonal Antibody - Images



Topo IIα (phospho Ser1525) Polyclonal Antibody - Background

Control of topological states of DNA by transient breakage and subsequent rejoining of DNA strands. Topoisomerase II makes double-strand breaks. Essential during mitosis and meiosis for proper segregation of daughter chromosomes. May play a role in regulating the period length of ARNTL/BMAL1 transcriptional oscillation (By similarity).