

Topoisomerase II α (Phospho Ser1469) Rabbit pAb

CatalogNo: YP1533

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat

Applications

- WB

MW

- 174kD (Observed)

Isotype

- IgG

Storage

Storage* -15°C to -25°C/1 year (Do not lower than -25°C)

Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Recommended Dilution Ratios

WB 1:1000-2000

Basic Information

Clonality Polyclonal

Immunogen Information

Immunogen Synthesized phospho peptide around human Topoisomerase II α (Ser1469)

Specificity This antibody detects endogenous levels of Human Topoisomerase II α (phospho-Ser1469)

Target Information

Gene name TOP2A TOP2

Protein Name DNA topoisomerase 2-alpha (Ser1469)

Organism	Gene ID	UniProt ID
Human	7153 ;	P11388 ;
Mouse	21973 ;	Q01320 ;
Rat	360243 ;	P41516 ;

Cellular Localization Cytoplasm . Nucleus , nucleoplasm . Nucleus . Nucleus , nucleolus .

Tissue specificity 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) .

Function 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. ,

Validation Data

Contact information

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Topoisomerase II α
(Phospho Ser1469)
Rabbit pAb

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