

Anti-Phospho-TOP2A (Ser1469) Polyclonal Antibody

Product Details

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| Ig Type: | IgG |
| Reactivity: | Human |
| Conjugation: | Unconjugated |
| Molecular Weight: | Actual: 174 kDa. |
| Purification: | The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen. |

Applications

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| Application: | WB |
| Recommended | WB: 1:1000-2000 |

Properties

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| Stability & Storage: | Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. |
| Shipping: | Shipping with blue ice. |

Antigen Details

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| Immunogen: | A synthesized phosphopeptide: human Topoisomerase II α around the phosphorylation site of Ser1469 |
| Antigen Species: | Human |
| Uniprot ID: | P11388 |
| Synonyms: | TOP2A (p-Ser1469);TOP2A (p-S1469);p-TOP2A (Ser1469);p-TOP2A (S1469) |

Research Background

topoisomerase (DNA) II alpha(TOP2A) Homo sapiens 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 pla

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