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## anti-Topoisomerase II alpha antibody (pSer1106)

2 Images



Go to Product page

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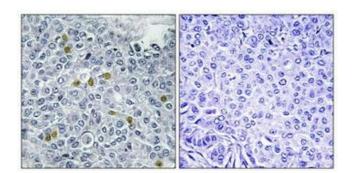
| Overview             |   |
|----------------------|---|
| Quantity:            | 100 μL  |
| Target:              | Topoisomerase II alpha (TOP2A)  |
| Binding Specificity: | pSer1106  |
| Reactivity:          | Human   |
| Host:                | Rabbit  |
| Clonality:           | Polyclonal  |
| Conjugate:           | This Topoisomerase II alpha antibody is un-conjugated                                   |
| Application:         | Western Blotting (WB), Immunohistochemistry (IHC), ELISA                                |
| Product Details      |   |
| Immunogen:           | Peptide sequence around phosphorylation site of serine 1106 (E-E-S(p)-D-N) derived from |
|                      | Human TOP2A.  |
| Isotype:             | IgG   |
| Cross-Reactivity:    | Human, Mouse  |
| Purification:        | Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH    |
|                      | conjugates. Antibodies were purified by affinity-chromatography using epitope-specific  |
|                      | phosphopeptide. Non-phospho specific antibodies were removed by chromatogramphy usi     |
| Target Details       |   |
| Target:              | Topoisomerase II alpha (TOP2A)  |
| Alternative Name:    | TOP2A (TOP2A Products)  |
|                      |   |

## **Target Details**

Storage Comment:

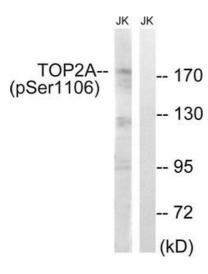
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| Background:         | Background: Control of topological states of DNA by transient breakage and subsequent    |
|                     | rejoining of DNA strands. Topoisomerase II makes double-strand breaks. Essential during  |
|                     | mitosis and meiosis for proper segregation of daughter chromosomes.                      |
|                     | Aliases: alpha isozyme antibody, ATP hydrolyzing DNA topoisomerase II alfa antibody, DNA |
|                     | gyrase antibody, DNA topoisomerase (ATP hydrolyzing) antibody, DNA topoisomerase 2 alpha |
|                     | antibody, DNA topoisomerase 2-alpha antibody, DNA topoisomerase II 170 kD antibody, DNA  |
|                     | topoisomerase II alpha isozyme antibody, DNA topoisomerase II antibody, DNA              |
|                     | Topoisomerase2 antibody, TOP 2A antibody, TOP2 antibody, TOP2A antibody, TOP2A_HUMAN     |
|                     | antibody, Topoisomerase DNA II alpha 170 kDa antibody, TP2A antibody                     |
| UniProt:            | P11388   |
| Pathways:           | Cell Division Cycle, Mitotic G1-G1/S Phases  |
| Application Details |  |
| Application Notes:  | WB:1:500-1:3000, IHC:1:50-1:100,   |
| Restrictions:       | For Research Use only  |
| Handling            |  |
| Format:             | Liquid   |
| Buffer:             | Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150 mM NaCl,    |
|                     | 0.02 % sodium azide and 50 % glycerol.   |
| Preservative:       | Sodium azide   |
| Precaution of Use:  | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which            |
|                     | should be handled by trained staff only.   |
| Storage:            | -20 °C,-80 °C  |
|                     |  |

Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



### **Immunohistochemistry**

**Image 1.** Immunohistochemistry analysis of paraffinembedded human breast carcinoma tissue using TOP2A (Phospho-Ser1106) antibody. The picture on the right is treated with the synthesized peptide.



#### **Western Blotting**

**Image 2.** Western blot analysis of extracts from Jurkat cells, treated with paclitaxel (1uM, 24hours), using TOP2A (Phospho-Ser1106) antibody. The lane on the right is treated with the synthesized peptide.