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Recombinant anti-Topoisomerase II alpha antibody

2 Images



Overview

| Quantity: | 100 μL |
|----------------|--|
| Target: | Topoisomerase II alpha (TOP2A) |
| Reactivity: | Human |
| Host: | Rabbit |
| Antibody Type: | Recombinant Antibody |
| Clonality: | Monoclonal |
| Conjugate: | This Topoisomerase II alpha antibody is un-conjugated |
| Application: | Western Blotting (WB), Immunohistochemistry (IHC), ELISA |

Product Details

| Immunogen: | A synthesized peptide derived from human Topoisomerase II alpha |
|-------------------|---|
| Clone: | 5B10 |
| Isotype: | IgG |
| Cross-Reactivity: | Human, Mouse |
| Purification: | Affinity-chromatography |

Target Details

| Target: | Topoisomerase II alpha (TOP2A) |
|-------------------|---|
| Alternative Name: | TOP2A (TOP2A Products) |
| Background: | Background: Control of topological states of DNA by transient breakage and subsequent |

Target Details

| $rejoining \ of \ DNA \ strands. \ Topoisomerase \ II \ makes \ double-strand \ breaks. \ Essential \ during$ |
|---|
| 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). |
| Aliases: DNA topoisomerase 2-alpha (EC 5.99.1.3) (DNA topoisomerase II, alpha isozyme), |
| TOP2A, TOP2 |

UniProt: P11388

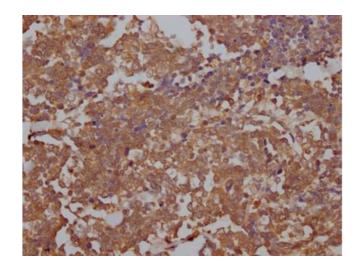
Pathways: Cell Division Cycle, Mitotic G1-G1/S Phases

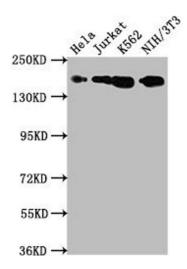
Application Details

| Application Notes: | Recommended dilution: WB:1:500-1:5000, IHC:1:50-1:200, |
|--------------------|--|
| Restrictions: | For Research Use only |

Handling

| Format: | Liquid |
|--------------------|--|
| Buffer: | Rabbit IgG in phosphate buffered saline, 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 |
| Storage Comment: | Upon receipt, store at -20°C or -80°C. Avoid repeated freeze. |





Immunohistochemistry

Image 1. IHC image of ABIN7127851 diluted at 1:100 and staining in paraffin-embedded human lung cancer performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10 % normal goat serum 30 min at RT. Then primary antibody (1 % BSA) was incubated at 4 °C overnight. The primary is detected by a Goat anti-rabbit IgG polymer labeled by HRP and visualized using 0.05 % DAB.

Western Blotting

Image 2. Western Blot Positive WB detected in: Hela whole cell lysate, Jurkat whole cell lysate, K562 whole cell lysate, NIH/3T3 whole cell lysate All lanes: TOP2A antibody at 1:1500 Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution Predicted band size: 175, 178, 179, 183 kDa Observed band size: 175 kDa