

Anti-Topoisomerase 2 alpha Antibody

| Catalog # | Source | Reactivity | Applications |
|--------------------------|--|------------|--------------|
| CPA4851 | Rabbit | H, M, P | WB, IH |
| Description | Rabbit polyclonal antibody to Topoisomerase 2 alpha | | |
| Immunogen | KLH-conjugated synthetic peptide encompassing a sequence within the center region of human Topoisomerase 2 alpha. The exact sequence is proprietary. | | |
| Purification | The antibody was purified by immunogen affinity chromatography. | | |
| Specificity | Recognizes endogenous levels of Topoisomerase 2 alpha protein. | | |
| Clonality | Polyclonal | | |
| Conjugation | | | |
| Form | Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide. | | |
| Dilution | WB (1/500 - 1/1000), IH (1/100 - 1/200) | | |
| Gene Symbol | TOP2A | | |
| Alternative Names | TOP2; DNA topoisomerase 2-alpha; DNA topoisomerase II, alpha isozyme | | |
| Entrez Gene | 7153 (Human); 21973 (Mouse) | | |
| SwissProt | P11388 (Human); Q01320 (Mouse) | | |
| Storage/Stability | Shipped at 4°C. Upon delivery aliquot and store at -20°C for one year. Avoid freeze/thaw cycles. | | |

Application key: E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

Species reactivity key: H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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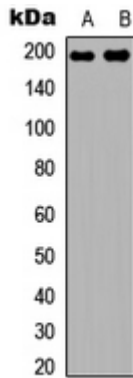
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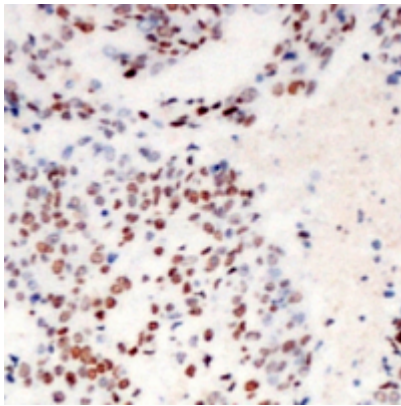
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Product Data Sheet



Western blot analysis of Topoisomerase 2 alpha expression in HEK293T (A), NIH3T3 (B) whole cell lysates. (Predicted band size: 174 kD; Observed band size: 190 kD)



Immunohistochemical analysis of Topoisomerase 2 alpha staining in human breast cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

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