PRODUCT DATA SHEET

Product: **Anti-Topoisomerase IIα pAb**

Cat. No.: **PC-123 (500 µg)**

Background:
Topoisomerase IIα plays important roles in synthesis and transcription of DNA as well as chromosomal segregation during mitosis. It is reported to be a sensitive and specific marker of late S-, G_2-, and M-phases in transformed and developmentally regulated normal cells. Note that Ki67/M1B1 is also present in G_1-phase. Topoisomerase IIα is also important in drug resistance of tumor cells.

Positive Control:
Raji cells or exponentially growing any cultured human cells.

Specificity:
Recognizes a 170 kDa protein identified as Topoisomerase IIα.

Epitope:
aa 1513-1530

Species Reactivity:
Human. Other species not tested.

Cellular Localization:
Nuclear

Ig Isotype:
Rabbit IgG

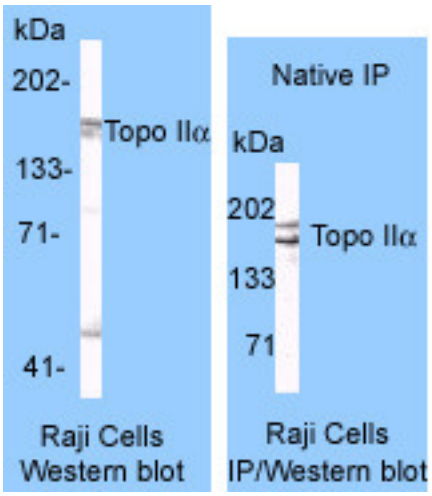
Immunogen:
A synthetic peptide, corresponding to aa 1513-1530 (RAKKPIKYLEESDEDDLF) from the C-terminus of human topoisomerase IIα.

Format:
500 µg of total IgG purified from rabbit antiserum by Protein A chromatography at 1 mg/mL in 10 mM PBS, pH 7.4, with protein stabilizer and 0.09% sodium azide.

Storage:
Store at 4°C.

Applications and Suggested Dilutions:
- Immunofluorescence
- Immunohistochemistry
- Immunoprecipitation: (Native & denatured) Use Protein A. Use 10 µg/mg protein lysate.
- Western blot: Use 5-10 µg/mL for 2 hrs at RT.

The optimal dilution for a specific application should be determined by the researcher.



Limitations:
For *in vitro* research use only. Not for use in diagnostics or in humans.

Warranty:
No warranties, expressed or implied, are made regarding the use of this product. KAMIYA BIOMEDICAL COMPANY is not liable for any damage, personal injury, or economic loss caused by this product.

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