

Topoisomerase II alpha (ZR94)

Rabbit Polyclonal Antibody

Host: Rabbit
Specificity: Human
Immunogen: Synthetic peptide corresponding to Topo II α residues within aa1431-1531 of Topo II α
Ig Class: IgG
Storage: Store at 2-8°C for up to 2 years for concentrate form and 18 months for predilute form.

Specifications: Topoisomerase II alpha (ZR94) Rabbit Polyclonal primary antibody detects Topoisomerase II alpha protein in formalin-fixed, paraffin-embedded samples by immunohistochemical (IHC) staining.

Staining procedures: Use formalin-fixed and paraffin-embedded sections. Retrieval conditions: Pretreatment of deparaffinized samples via heat-induced epitope retrieval is recommended. Detection method: Polymer anti-mouse/rabbit Ig detection system. Working dilution: 1:100-200. Positive Control: sample known to contain Topoisomerase II alpha protein.

Localization: Nucleus.

Intended Use: Research Use Only (RUO). This antibody is not for diagnostic use.

Description: The topoisomerase II- α isoform is a 170 kDa nuclear protein and plays an important role in DNA synthesis and RNA transcription, as well as chromosomal segregation during mitosis. Topoisomerase II- α is reported to be a sensitive and specific marker of late S-, G2- and M-phases in transformed and developmentally regulated normal cells and has been shown to be over-expressed in many human cancers. Decreased expression of Topoisomerase II- α is the predominant mechanism of resistance to several chemotherapeutic agents.

Supplied As: Purified antibody in Tris-HCl pH 7.4 buffer containing stabilizing proteins (including < 1% Bovine Serum Albumin) and < 0.1% ProClin by volume.

References:

1. Chung, T.D., et al. 1989. Proc. Natl. Acad. Sci USA 86: 9431-9435.
2. Ali, Yousaf and Shafida Abd Hamid. 2015. Tumor Biol. 37 (1).

REF Z2404RL/ Z2404RS/ Z2404RT/ Z2404RP (1.0ml Concentrate/ 0.5ml Con./ 0.1ml Con./ 7ml Pre-dil)