

Topo I (W412) polyclonal antibody

Catalog: BS9277

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

DNA topoisomerase I and II (Topo I and Topo II) are nuclear enzymes that regulate the topological structure of DNA in eukaryotic cells by transiently breaking and re-joining DNA strands. Eukaryotic topoisomerases are capable of relaxing both positive and negative supercoils, whereas prokaryotic topoisomerases relax only negative supercoils. DNA topoisomerases play a role in DNA replication, recombination and transcription and have been identified as targets of numerous anticancer drugs. Topo I, a ubiquitously expressed, soluble enzyme, acts by introducing a transient break in one strand of DNA, while Topo II acts by making a transient double-strand break. Topo II is encoded by two different genes to generate two distinct isoforms that are designated Topo II α and Topo II β .

Product:

1 mg/ml in Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.2.

Molecular Weight:

~ 100 kDa

Swiss-Prot:

P11387

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1:500~1:1000

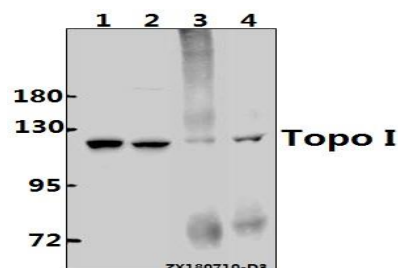
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

Topo I (W412) polyclonal antibody detects endogenous levels of Topo I protein.

DATA:



Western blot (WB) analysis of Topo I (W412) pAb at 1:500 dilution

Lane1:A2780 whole cell lysate(40ug)

Lane2:Hela whole cell lysate(40ug)

Lane3:PMVEC whole cell lysate(40ug)

Lane4:3T3-L1 whole cell lysate(40ug)

Note:

For research use only, not for use in diagnostic procedure.

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