

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 rejoining 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:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

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

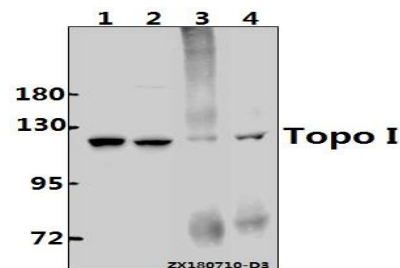
Storage&Stability:

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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