

Topo III β -1 (Q84) polyclonal antibody

Catalog: BS1908

Host: Rabbit

Reactivity: Human, Mouse, Rat

Background:

DNA topoisomerases are nuclear enzymes that regulate the topological structure of DNA by transiently breaking and rejoining DNA strands. Although DNA topoisomerase I and DNA topoisomerase II relax both positive and negative supercoils, DNA topoisomerase III relaxes only negative supercoils. DNA topoisomerase III α exists as a long and a short isoform, which are produced by alternative splicing. DNA topoisomerase III α , which localizes to the nucleolus, is constitutively expressed and remains at high levels throughout the cell cycle in HL-60 cells. DNA topoisomerase III β exists as three isoforms, namely β 1, β 2 and β 3, also produced by alternative splicing. DNA topoisomerase III β 1 is expressed in testes, heart and skeletal muscle, whereas β 2 is expressed in thymus, kidney and pancreas.

Product:

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

Molecular Weight:

~ 96 kDa

Swiss-Prot:

O95985

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

IHC: 1:50~1:200

Storage&Stability:

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

Specificity:

Topo III β -1 (Q84) polyclonal antibody detects endogenous levels of Topo III β -1 protein.

DATA:

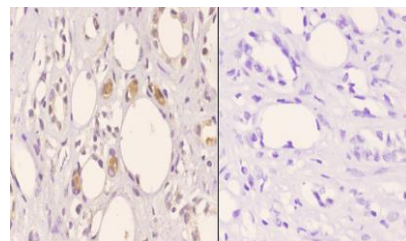


Western blot (WB) analysis of Topo III β -1 (Q84) polyclonal antibody at 1:500 dilution

Lane1:HEK293T whole cell lysate

Lane2:Raw264.7 whole cell lysate

Lane3:H9C2 whole cell lysate



Immunohistochemistry (IHC) analyzes of Topo III β -1 (Q84) pAb in paraffin-embedded human kidney carcinoma tissue at 1:50. showing cytoplasmic and nucleus staining. Negative control (the right) Using PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG-biotin followed by avidin-peroxidase.

Note:

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

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