



Topo IIIβ-1 rabbit pAb

Cat#: orb766502 (Manual)

For research use only. Not intended for diagnostic use.

Product NameTopo IIIβ-1 rabbit pAb

Host species Rabbit

Applications WB;IHC;IF;ELISA

Species Cross-Reactivity Human; Mouse

Recommended dilutions Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA:

1/20000. Not yet tested in other applications.

Immunogen The antiserum was produced against synthesized peptide derived from

human TOP3B. AA range:51-100

Specificity Topo IIIβ-1 Polyclonal Antibody detects endogenous levels of Topo IIIβ-1

protein.

Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium

azide..

Storage Store at -20°C. Avoid repeated freeze-thaw cycles.

Protein Name DNA topoisomerase 3-beta-1

Gene Name TOP3B

Cellular localization condensed chromosome, nucleus, cytosol,

Purification The antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-specific immunogen.

Clonality Polyclonal





Concentration 1 mg/ml

Observed band 96kD

Human Gene ID 8940

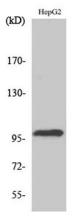
Human Swiss-Prot Number 095985

Alternative Names TOP3B; TOP3B1; DNA topoisomerase 3-beta-1; DNA topoisomerase III

beta-1

Background

This gene encodes a DNA topoisomerase, an enzyme that controls and alters the topologic states of DNA during transcription. This enzyme catalyzes the transient breaking and rejoining of a single strand of DNA which allows the strands to pass through one another, thus relaxing the supercoils and altering the topology of DNA. The enzyme interacts with DNA helicase SGS1 and plays a role in DNA recombination, cellular aging and maintenance of genome stability. Low expression of this gene may be related to higher survival rates in breast cancer patients. This gene has a pseudogene on chromosome 22. Alternate splicing results in multiple transcript variants. Additional alternatively spliced transcript variants of this gene have been described, but their full-length nature is not known. [provided by RefSeq, Aug 2013],

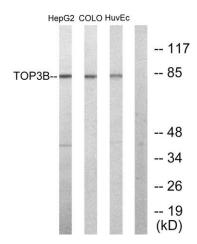


Western Blot analysis of various cells using Topo III β -1 Polyclonal Antibody. Secondary antibody(catalog#:RS0002) was diluted at 1:20000 cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003,Inventbiotech,MN,USA).

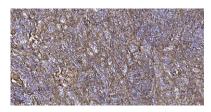




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Western blot analysis of lysates from HepG2, COLO205, and HUVEC cells, using TOP3B Antibody. The lane on the right is blocked with the synthesized peptide.



Immunohistochemical analysis of paraffin-embedded human spleen tissue. 1,primary Antibody was diluted at 1:200(4° overnight). 2, Sodium citrate pH 6.0 was used for antigen retrieval(>98°C,20min). 3,Secondary antibody was diluted at 1:200