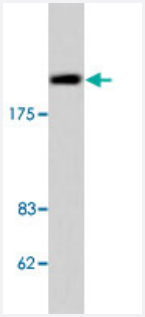
TOP2B polyclonal antibody

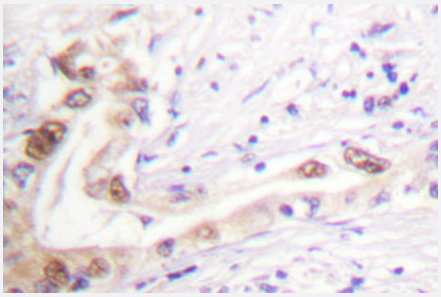
Catalog # PAB27101 Size 100 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of Jurkat cell lysate with TOP2B polyclonal antibody (Cat # PAB27101).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded human lung cancer tissue using TOP2B polyclonal antibody (Cat # PAB27101).

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of TOP2B.
Immunogen	A synthetic peptide corresponding to human TOP2B.
Host	Rabbit
Theoretical MW (kDa)	183
Reactivity	Human, Mouse
Specificity	TOP2B polyclonal antibody detects endogenous levels of TOP2B protein.
Form	Liquid

Purification	Antigen affinity purification
Concentration	1 mg/mL
Recommend Usage	Western Blot (1:500-1:1000) Immunohistochemistry (1:50-1:200) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (0.05% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

  Western blot analysis of Jurkat cell lysate with TOP2B polyclonal antibody (Cat # PAB27101).

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

  Immunohistochemical analysis of paraffin-embedded human lung cancer tissue using TOP2B polyclonal antibody (Cat # PAB27101).

Gene Info — TOP2B

Entrez GeneID	7155
Protein Accession#	Q02880
Gene Name	TOP2B
Gene Alias	TOPIIB, top2beta
Gene Description	topoisomerase (DNA) II beta 180kDa
Omim ID	126431
Gene Ontology	Hyperlink

Gene Summary	This gene encodes a DNA topoisomerase, an enzyme that controls and alters the topologic state s of DNA during transcription. This nuclear enzyme is involved in processes such as chromosome condensation, chromatid separation, and the relief of torsional stress that occurs during DNA tran scription and replication. It catalyzes the transient breaking and rejoining of two strands of duplex DNA which allows the strands to pass through one another, thus altering the topology of DNA. Tw o forms of this enzyme exist as likely products of a gene duplication event. The gene encoding thi s form, beta, is localized to chromosome 3 and the alpha form is localized to chromosome 17. Th e gene encoding this enzyme functions as the target for several anticancer agents and a variety of mutations in this gene have been associated with the development of drug resistance. Reduced a ctivity of this enzyme may also play a role in ataxia-telangiectasia. Alternative splicing of this gene results in two transcript variants; however, the second variant has not yet been fully described. [pro vided by RefSeq
Other Designations	DNA topoisomerase II beta|DNA topoisomerase II, 180 kD|DNA topoisomerase II, beta isozyme| U937 associated antigen|antigen MLAA-44|topo II beta|topoisomerase (DNA) II beta (180kD)|top oisomerase II beta|topoisomerase IIb

Disease

- Cardiovascular Diseases
- Diabetes Mellitus
- Edema