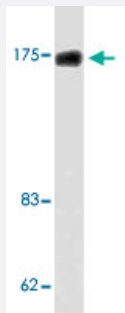


TOP2A polyclonal antibody

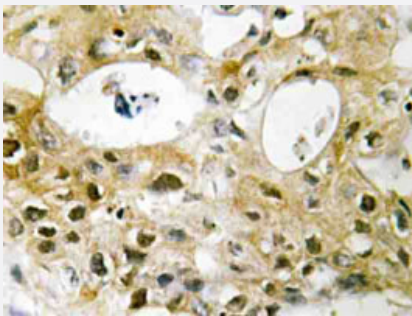
Catalog # PAB26938 Size 100 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of LoVo cell lysate with TOP2A polyclonal antibody (Cat # PAB26938).



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

Immunohistochemical analysis of paraffin-embedded human breast cancer tissue using TOP2A polyclonal antibody (Cat # PAB26938).

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of TOP2A.
Immunogen	A synthetic peptide corresponding to human TOP2A.
Host	Rabbit
Theoretical MW (kDa)	174
Reactivity	Human, Mouse
Specificity	TOP2A polyclonal antibody detects endogenous levels of TOP2A protein.
Form	Liquid

Purification	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 should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western blot analysis of LoVo cell lysate with TOP2A polyclonal antibody (Cat # PAB26938).

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

Immunohistochemical analysis of paraffin-embedded human breast cancer tissue using TOP2A polyclonal antibody (Cat # PAB26938).

Gene Info — TOP2A

Entrez GeneID	7153
Protein Accession#	P11388
Gene Name	TOP2A
Gene Alias	TOP2, TP2A
Gene Description	topoisomerase (DNA) II alpha 170kDa
Omim ID	126430
Gene Ontology	Hyperlink

Gene Summary

This gene encodes a DNA topoisomerase, an enzyme that controls and alters the topologic state 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 transcription 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. Two forms of this enzyme exist as likely products of a gene duplication event. The gene encoding this form, alpha, is localized to chromosome 17 and the beta gene is localized to chromosome 3. The 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 activity of this enzyme may also play a role in ataxia-telangiectasia. [provided by RefSeq]

Other Designations

DNA topoisomerase II, 170 kD|DNA topoisomerase II, alpha isozyme|topoisomerase (DNA) II alpha (170kD)

Disease

- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Leukemia](#)
- [Lymphatic Metastasis](#)
- [Lymphoma](#)
- [Recurrence](#)
- [Stomach Neoplasms](#)