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Datasheet

TOP2A polyclonal antibody

Catalog Number: PAB25095

Regulation Status: For research use only (RUO)

Product Description: Rabbit polyclonal antibody raised against synthetic peptide of TOP2A.

Immunogen: A synthetic peptide corresponding to TOP2A.

Host: Rabbit

Theoretical MW (kDa): 174

Reactivity: Human

Applications: IF, IHC-P, WB-Ce
(See our web site product page for detailed applications information)

Protocols: See our web site at http://www.abnova.com/support/protocols.asp or product page for detailed protocols

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)
Immunofluorescence (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.

Entrez GeneID: 7153

Gene Symbol: TOP2A

Gene Alias: TOP2, TP2A

Gene Summary: This gene encodes a DNA topoisomerase, an enzyme that controls and alters the topologic states 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 chromsome 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]