

Datasheet for ABIN926005

anti-Topoisomerase II alpha antibody (C-Term)



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1 Image

Overview

Quantity:	100 µg
Target:	Topoisomerase II alpha (TOP2A)
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat, Pig, Dog
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Topoisomerase II alpha antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	TOP2 A antibody was raised in rabbit using the C terminal of TOP2 as the immunogen
Cross-Reactivity:	Dog (Canine), Rat (Rattus), Mouse (Murine), Pig (Porcine)

Target Details

Target:	Topoisomerase II alpha (TOP2A)
Alternative Name:	TOP2A
Background:	TOP2A is 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

Target Details

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. Synonyms: Polyclonal TOP2A antibody, Anti-TOP2A antibody, topoisomerase, DNA II alpha 170kDa antibody.

Pathways: [Cell Division Cycle, Mitotic G1-G1/S Phases](#)

Application Details

Application Notes:	WB: 1.25 µg/mL Optimal conditions should be determined by the investigator.
Comment:	TOP2A Blocking Peptide, , is also available for use as a blocking control in assays to test for specificity of this TOP2A antibody
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Concentration:	Lot specific
Buffer:	Lyophilized powder. Add 100 µL of distilled water. Final antibody concentration is 1 mg/mL in PBS buffer.
Handling Advice:	Avoid repeated freeze/thaw cycles.
Storage:	4 °C/-20 °C
Storage Comment:	Store at 4 °C, following reconstitution, aliquot and store at -20 °C.



Western Blotting

Image 1. TOP2A antibody (20R-1304) used at 1.25 ug/ml to detect target protein.