



# Topo III $\alpha$ rabbit pAb

Cat No.:ES8351

For research use only

## Overview

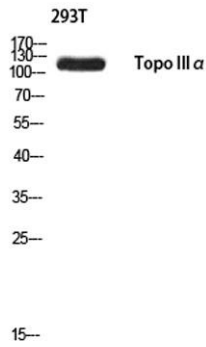
<b>Product Name</b>	Topo III $\alpha$ rabbit pAb
<b>Host species</b>	Rabbit
<b>Applications</b>	WB;ELISA
<b>Species Cross-Reactivity</b>	Human;Mouse
<b>Recommended dilutions</b>	Western Blot: 1/500 - 1/2000. ELISA: 1/10000. Not yet tested in other applications.
<b>Immunogen</b>	Synthesized peptide derived from Topo III $\alpha$ . at AA range: 350-430
<b>Specificity</b>	Topo III $\alpha$ Polyclonal Antibody detects endogenous levels of Topo III $\alpha$ protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Storage</b>	Store at -20°C. Avoid repeated freeze-thaw cycles.
<b>Protein Name</b>	DNA topoisomerase 3-alpha
<b>Gene Name</b>	TOP3A
<b>Cellular localization</b>	Mitochondrion matrix .
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Clonality</b>	Polyclonal
<b>Concentration</b>	1 mg/ml
<b>Observed band</b>	115kD
<b>Human Gene ID</b>	7156
<b>Human Swiss-Prot Number</b>	Q13472
<b>Alternative Names</b>	TOP3A; TOP3; DNA topoisomerase 3-alpha; DNA topoisomerase III alpha
<b>Background</b>	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 reducing the number of supercoils and altering the topology of DNA. This enzyme forms a





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complex with BLM which functions in the regulation of recombination in somatic cells. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Mar 2016],



Western blot analysis of 293T using Topo III $\alpha$  antibody. Antibody was diluted at 1:500. 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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