



## Topo III?-1 Polyclonal Antibody

Cat No: HR1AP4738

For research use only

### Overview

Product Name	Topo III?-1 Polyclonal Antibody
Source	Rabbit
Applications	WB,IHC-p,ELISA
Species Reactivity	Human,Mouse
Recommended Dilutions	
Immunogen	
Species	Rabbit
Storage	-20°C/1 year
Isotype	
Clonality	
Concentration	1 mg/ml
Observed band	96kDa
GenelD?Human?	TOP3B
Human Swiss-Prot No.	
Cellular localization	
Alternative Names	TOP3B; TOP3B1; DNA topoisomerase 3-beta-1; DNA topoisomerase III beta-1
Background	topoisomerase (DNA) III beta(TOP3B) Homo sapiens 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 relaxing the supercoils and altering the topology of DNA. The enzyme interacts with DNA helicase SGS1 and plays a role in DNA recombination, cellular aging and maintenance of genome stability. Low expression of this gene may be related to higher survival rates in breast cancer patients. This gene has a pseudogene on chromosome 22. Alternate splicing results in multiple transcript variants. Additional alternatively spliced transcript variants of this gene have been described, but their full-length nature is not known. [provided by RefSeq, Aug 2013],