



Anti-TOP1 (aa 692-765) polyclonal antibody (DPAB-DC3092)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	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 altering the topology of DNA. This gene is localized to chromosome 20 and has pseudogenes which reside on chromosomes 1 and 22.
Immunogen	TOP1 (NP_003277, 692 a.a. ~ 765 a.a) partial recombinant protein with GST tag. The sequence is QRLEEQLMKLEVQATDREENKQIALGTSKLNYLDPRITVAWCKKWGVPIEKIYNKTQREK FAWAIDMADEDYEF
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	TOP1 topoisomerase (DNA) I [Homo sapiens (human)]
Official Symbol	TOP1
Synonyms	TOP1; topoisomerase (DNA) I; TOPI; DNA topoisomerase 1; type I DNA topoisomerase;
Entrez Gene ID	7150
Protein Refseq	NP_003277
UniProt ID	P11387
Chromosome Location	20q12-q13.1
Pathway	Caspase cascade in apoptosis;
Function	ATP binding; DNA binding; DNA topoisomerase type I activity; DNA topoisomerase type II (ATP-hydrolyzing) activity