

Rabbit anti-Human, Mouse Topo IIIalpha Polyclonal Antibody | anti-TOP3A antibody

Topo IIIalpha Polyclonal Antibody

CATALOG # AAA296408	HOST Rabbit	REACTIVITY Human, Mouse	APPLICATIONS Western Blot
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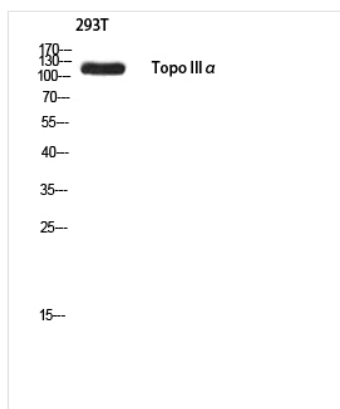
PRODUCT SYNONYMS

Topo IIIalpha; Polyclonal Antibody; Topo IIIalpha Polyclonal Antibody; TOP3A; TOP3; DNA topoisomerase 3-alpha; DNA topoisomerase III alpha; anti-TOP3A antibody

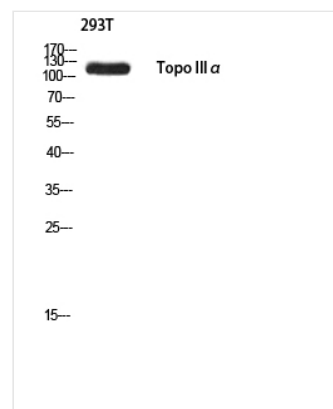
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Applicable Applications for anti-TOP3A antibody	WB (Western Blot)
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES


WB (Western Blot)

Dilution: Western Blot: 1/500 - 1/2000. ELISA: 1/10000. Not yet tested in other applications.


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ADDITIONAL INFORMATION

Related Product Information for anti-TOP3A antibody

Releases the supercoiling and torsional tension of DNA introduced during the DNA replication and transcription by transiently cleaving and rejoining one strand of the DNA duplex. Introduces a single-strand break via transesterification at a target site in duplex DNA. The scissile phosphodiester is attacked by the catalytic tyrosine of the enzyme, resulting in the formation of a DNA- (5'-phosphotyrosyl)-enzyme intermediate and the expulsion of a 3'-OH DNA strand. The free DNA strand then undergoes passage around the unbroken strand thus removing DNA supercoils. Finally, in the religation step, the DNA 3'-OH attacks the covalent intermediate to expel the active-site tyrosine and restore the DNA phosphodiester backbone. As an essential component of the RMI complex it is involved in chromosome separation and the processing of homologous recombination intermediates to limit DNA crossover formation in cells. Has DNA decatenation activity (PubMed:30057030). It is required for mtDNA decatenation and segregation after completion of replication, in a process that does not require BLM, RMI1 and RMI2 (PubMed:29290614).

NCBI AND UNIPROT INFORMATION

NCBI GI #	10835218
NCBI GeneID	7156
NCBI Accession #	NP_004609.1
NCBI GenBank Nucleotide #	NM_004618.3
UniProt Accession #	Q13472; Q13473; A8KA61; D3DXC7
Molecular Weight	112,372 Da
NCBI Official Full Name	DNA topoisomerase 3-alpha
NCBI Official Synonym Full Names	topoisomerase (DNA) III alpha
NCBI Official Symbol	TOP3A
NCBI Official Synonym Symbols	TOP3
NCBI Protein Information	DNA topoisomerase 3-alpha; topo III-alpha; DNA topoisomerase III alpha
UniProt Protein Name	DNA topoisomerase 3-alpha
UniProt Gene Name	TOP3A
UniProt Synonym Gene Names	TOP3
UniProt Entry Name	TOP3A_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/topo-iiialpha-antibody-western-blot-elisa/296408>