

## Rabbit polyclonal antibody to human DNA topoisomerase 2-alpha (1466-1480): Affinity purified

<b>Catalogue No.:</b>	R-1109-100
<b>Description:</b>	DNA topoisomerase 2 catalyzes the transient breaking and rejoining of double stranded DNA during events such as DNA synthesis and transcription. Two forms of this enzyme exist, alpha and beta. DNA topoisomerase 2 alpha (TOP2A) is localized to chromosome 17 and the beta gene is localized to chromosome 3. At least 4 isoforms of TOP2A are produced by alternate splicing.
<b>Batch No.:</b>	See product label
<b>Unit size:</b>	100 ug
<b>Antigen:</b>	A synthetic peptide (RKPSTSDSDSNFEK) corresponding to a region (1466-1480) from human DNA topoisomerase 2-alpha. To enhance the immunological response, this peptide was coupled to carrier protein BSA.
<b>Other Names:</b>	EC 5.99.1.3; DNA topoisomerase II; alpha isozyme; TOP2A; TOP2;
<b>Accession:</b>	P11388 TOP2A_HUMAN;
<b>Produced in:</b>	Rabbit
<b>Purity:</b>	Affinity purified on antigen column
<b>Applications:</b>	Western Blotting (WB). A concentration of 1.0-2.0 ug/mL is recommended for WB. Human TOP2A (isoform 1) has a predicted length of 1,531 residues and MW of 174 kDa. Biosensis recommends optimal dilutions/concentrations should be determined by the end user.
<b>Specificity:</b>	The specificity of this antibody has been confirmed by WB against the antigen.
<b>Cross-reactivity:</b>	Human; rat;
<b>Form:</b>	Lyophilised with 5mg BSA, 0.9mg NaCl, 0.2mg Na <sub>2</sub> HPO <sub>4</sub> , 0.05mg Thimerosal, 0.05mg Na <sub>3</sub>
<b>Reconstitution:</b>	Reconstitute in 100 uL of sterile distilled water to achieve an antibody concentration of 1 mg/mL. Centrifuge to remove any insoluble material.
<b>Storage:</b>	At least 12 months after purchase at 2-8C (lyophilized formulations). After reconstitution, aliquot and store at -20C for a higher stability. Avoid freeze-thaw cycles
<b>Expiry Date:</b>	12 months after purchase

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