



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

Catalogue No.:	R-1109-100
Description:	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.
Batch No.:	See product label
Unit size:	100 ug
Antigen:	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.
Other Names:	EC 5.99.1.3; DNA topoisomerase II; alpha isozyme; TOP2A; TOP2;
Accession:	P11388 TOP2A_HUMAN;
Produced in:	Rabbit
Purity:	Affinity purified on antigen column
Applications:	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.
Specificity:	The specificity of this antibody has been confirmed by WB against the antigen.
Cross-reactivity:	Human; rat;
Form:	Lyophilised with 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg Na ₃
Reconstitution:	Reconstitute in 100 uL of sterile distilled water to achieve an antibody concentration of 1 mg/mL. Centrifuge to remove any insoluble material.
Storage:	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
Expiry Date:	12 months after purchase

FOR RESEARCH USE ONLY