



Topoisomerase II (DNA) alpha (DNA Topoisomerase 2 alpha, DNA Topoisomerase II alpha Isozyme, TOP2, TOP2A, TP2A)

Catalog number

T8065-12F

Supplier

United States Biological

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.

Applications

Suitable for use in Western Blot. Other applications not tested.

Recommended Dilution

Western Blot: 1-2ug/ml

Optimal dilutions to be determined by the researcher.

Storage and Stability

Lyophilized powder may be stored at -20°C. Stable for 12 months at -20°C. Reconstitute with sterile ddH₂O. Aliquot to avoid repeated freezing and thawing. Store at -20°C. Reconstituted product is stable for 12 months at -20°C. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Further dilutions can be made in assay buffer.

Immunogen

Synthetic peptide corresponding to aa1466-1480, RKPSTSDSDSNFEK to human DNA topoisomerase 2-alpha.

Formulation

Supplied as a lyophilized powder from PBS, 5% BSA, 0.05% Thimerosal, 0.05% sodium azide. Reconstitute with 100ul of sterile dH₂O.

Purity

Purified by immunoaffinity chromatography.

Specificity

Recognizes human DNA topoisomerase 2-alpha at 174kD. Species Crossreactivity: rat.

Product Type

Pab

Source

human

**Isotype**

IgG

Grade

Affinity Purified

Applications

WB

Crossreactivity

Hu Rt

Storage

-20°C

MW

174