

Anti-Human Topoisomerase II antibody

(Polyclonal, isolated from rabbit blood)



Product Description (Product Numbers PT2001, PT2005 and PT2100)

Topo II antibodies are polyclonal, isolated from rabbit blood and further purified on protein A Sepharose. The antibody is supplied at a concentration requiring ~1:1000 dilution for Western blotting.

For *in vitro* laboratory research use only.

Storage Buffer

Phosphate Buffered Saline (PBS) pH 7.2
Dilutions should be performed in PBS.
Store at -20°C (stable for at least 12 months undiluted).

Quality Control

The antibody is purified to > 95 % purity as judged by SDS-polyacrylamide gel electrophoresis.

Endonuclease assay: 0.5 µg supercoiled pBR322 incubated with the antibody at a concentration range of 0.01 µg/ml – 100 µg/ml for 1 hour at 37 °C in the presence of 1 mM ATP shows no detectable conversion of supercoiled DNA to either open circular or linear forms when assayed by agarose gel electrophoresis.

Exonuclease assay: 1 µg linear pBR322 was incubated with the antibody at a range of 0.01 µg/ml – 10 µg/ml for 30 minutes at 37 °C before being religated and transformed into competent JM109 cells. There was no detectable reduction in transformation efficiency.

References

Ey, P.L., S.J., & Jenkin, C.R. (1978). Isolation of pure IgG₁, IgG_{2a}, and IgG_{2b} immunoglobulins from mouse serum using Protein A sepharose. *Immunochemistry*. 15: 429-436

Harlow, E. & Lane, D. (1988). *Antibodies: a laboratory manual*. Cold Spring Harbor Laboratory Press, Cold Spring Harbor, Plainview, NY.