

TOPO II Recombinant Rabbit Monoclonal Antibody Product Datasheet

Catalog# BX00028

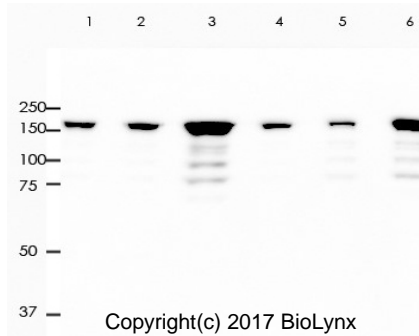
Clone# RR631

Predicted Molecular Wt: 174kDa
Species Cross-reactivity: Human Mouse
Species cross-reactivity determined by WB
Applications: WB IHC-P

Purity: ProA affinity purified IgG
Form: Liquid
Swissprot ID: P11388

Background:

Control of topological states of DNA by transient breakage and subsequent rejoining of DNA strands. Topoisomerase II makes double-strand breaks. Essential during mitosis and meiosis for proper segregation of daughter chromosomes. May play a role in regulating the period length of ARNTL/BMAL1 transcriptional oscillation.



All lanes: Anti-TOPO II antibody at 1:5,000 dilution
 Predicted MW: 174 kDa
 Observed MW: 174 kDa
 Lane 1: HeLa
 Lane 2: H1975
 Lane 3: JurKat
 Lane 4: H441
 Lane 5: PC-3
 Lane 6: B16-Fo

Lysate at 10 µg per lane
 2nd Ab:
 G&R HRP(H+L) 1:10,000
 Exposure: 120s

Immunogen:

A synthetic peptide corresponding to residues on the C-terminus of human TOPO II was used as an immunogen.

Storage Buffer:

PBS 59%, Sodium azide 0.01%, Glycerol 40%, BSA 0.05%.

Storage conditions:

-20°C.

Storage instructions:

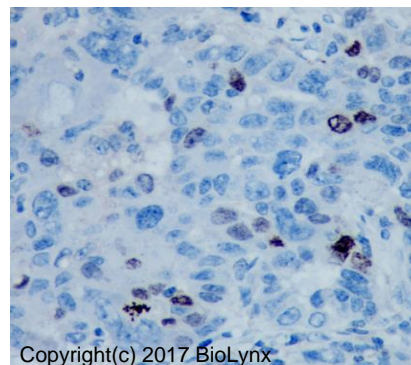
Shipped on blue ice. Upon delivery, aliquot, and store at -20°C. Avoid freeze / thaw cycles.

Recommended Dilutions:

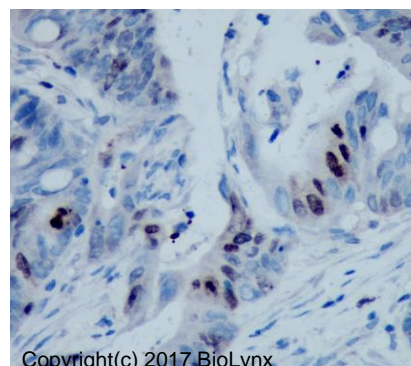
WB: 1:2,000 - 1:5,000
 IHC-P: 1:100 - 1:200

Background References:

1. Taniai, E et al. Toxicol Lett 224:64-72 (2013).
2. Chikamori, K. et al. J. Biol. Chem. 278, 12696-12702 (2003).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human ovarian cancer tissue labelling TOPO-II with RR631 at 1:200. Heat mediated antigen retrieval was performed using Tris/EDTA buffer PH9.0.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human Endometrium cancer tissue labelling TOPO-II with RR631 at 1:200. Heat mediated antigen retrieval was performed using Tris/EDTA buffer PH9.0.

Product QC'd by:



For research use only. Not for use in diagnostic or therapeutic applications.