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Topoisomerase II-α Recombinant Rabbit Monoclonal Antibody Product Datasheet

Catalog# BX50011
Clone# BP6016

Predicted Molecular Wt: 174kDa
Species Cross-reactivity: Human
Applications: IHC-P

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

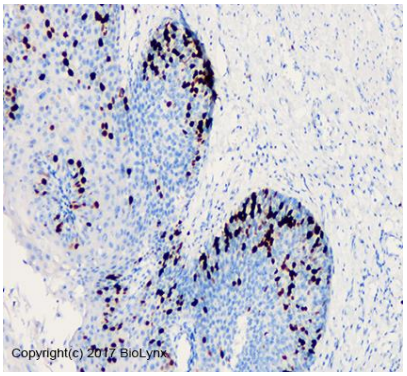
Background:
The topoisomerase II-α isoform is a 170 kDa nuclear protein and plays an important role in DNA synthesis and RNA transcription, as well as chromosomal segregation during mitosis.

Topoisomerase II-α is reported to be a sensitive and specific marker of late S-, G2- & M-phases in transformed and developmentally regulated normal cells, and has been shown to be over-expressed in many human cancers.

Decreased expression of Topoisomerase II-α is the predominant mechanism of resistance to several chemotherapeutic agents.

Subcellular location:
Nucleus
Recommended method:
Heat induced epitope retrieval with Tris-EDTA buffer (pH 9.0), primary antibody incubate at RT (18°C-25°C) for 30 minutes.
Immunogen:
Synthetic peptide corresponding to Topo II α residues within aa1431-1531 of Topo II α 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:
IHC-P: 1:100-1:200
Background References:

1. Lynch BJ, et al, Hum Pathol. 1997 Oct;28(10):1180-8.
2. Gupta D, et al, Appl Immunohistochem Mol Morphol. 2001 Sep;9(3):215-21.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections analysis of esophagus tissue labelling topoisomerase II-α with BP6016. Heat mediated antigen retrieval was performed using Tris/EDTA buffer pH 9.0

Product QC'd by:

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