

Datasheet for ABIN4949922

anti-Topoisomerase II alpha antibody (AA 1352-1493)[Go to Product page](#)**2** Images

Overview

Quantity:	100 µg
Target:	Topoisomerase II alpha (TOP2A)
Binding Specificity:	AA 1352-1493
Reactivity:	Human, Mouse
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Topoisomerase II alpha antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	Amino acids 1352-1493 from the human protein were used as the immunogen for this Topoisomerase II alpha antibody.
Clone:	TOP2A-1361
Isotype:	IgG2b kappa
Purification:	Protein G affinity chromatography

Target Details

Target:	Topoisomerase II alpha (TOP2A)
Alternative Name:	TOP2A / Topoisomerase II alpha (TOP2A Products)

Target Details

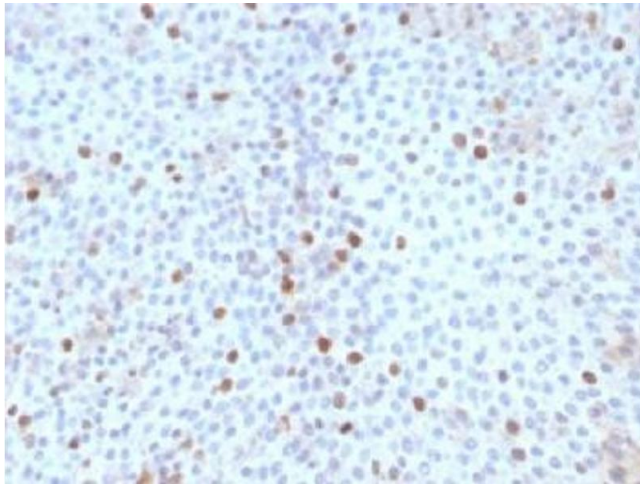
Background:	This mAb recognizes an ~170 kDa protein which is identified as Topoisomerase IIa, and shows no cross-reaction with Topoisomerase IIb or I. Topo IIa plays important roles in synthesis and transcription of DNA as well as chromosomal segregation during mitosis. It is reported to be a sensitive and specific marker of late S-, G2- & M-phases in transformed and developmentally regulated normal cells. Topo IIa is also implicated in drug resistance of tumor cells.
Gene ID:	7153
Pathways:	Cell Division Cycle, Mitotic G1-G1/S Phases

Application Details

Application Notes:	The concentration stated for each application is a general starting point. Variations in protocols, secondaries and substrates may require the Topoisomerase II alpha antibody to be titrated up or down for optimal performance.\. FACS: 0.5-1 µg/10 ⁶ cells in 0.1ml,IF: 1-2 µg/mL,Western blot: 1-2 µg/mL,IHC (FFPE): 0.5-1 µg/mL
Restrictions:	For Research Use only

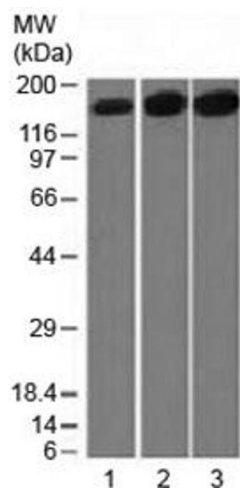
Handling

Concentration:	1 mg/mL
Buffer:	1 mg/mL in 1X PBS, BSA free, sodium azide free
Preservative:	Azide free
Storage:	4 °C,-20 °C
Storage Comment:	Store the Topoisomerase II alpha antibody at 2-8°C (with azide) or aliquot and store at -20°C or colder (without azide).



Immunohistochemistry

Image 1. IHC testing of FFPE human bladder carcinoma with Topoisomerase II alpha antibody (clone TOP2A/1361). Required HIER: boil sections in 10mM citrate buffer, pH6, for 10-20 min followed by cooling at RT for 20 min.



Western Blotting

Image 2. Western blot testing of 1) human HepG2, 2) HeLa and 3) mouse NIH3T3 cell lysate with Topoisomerase II alpha antibody (clone TOP2A/1361). Expected molecular weight ~174 kDa.