Datasheet for ABIN3027012

anti-Topoisomerase II alpha antibody

1 Image

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Overview

Quantity:	100 µg
Target:	Topoisomerase II alpha (TOP2A)
Reactivity:	Human
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:	Human partial recombinant protein was used as the immunogen for this TOP2A antibody.
Clone:	TPM2A-1
Isotype:	IgG2b kappa
Characteristics:	This mAb recognizes a 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.
Purification:	Protein G affinity chromatography

Target Details

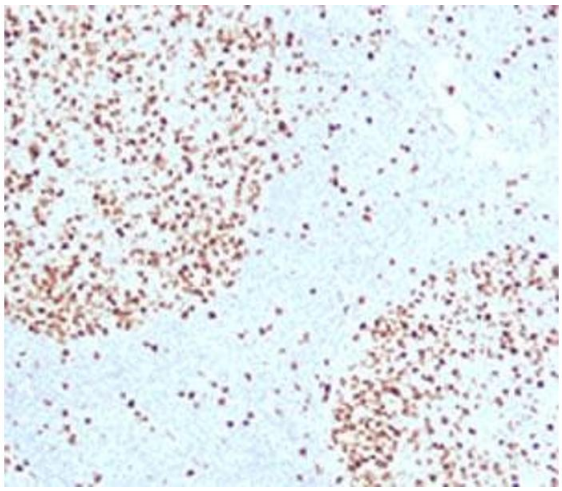
Target:	Topoisomerase II alpha (TOP2A)
Alternative Name:	TOP2A (TOP2A Products)
Background:	This mAb recognizes a 170 kDa protein which is identified as Topoisomerase IIa, and shows no cross-reaction with Topoisomerase IIb or I. Topo IIa plays important roles in synthesis and transcription of DNA as 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 TOP2A antibody to be titered up or down for optimal performance. 1. Staining of FFPE tissue requires boiling sections in 10 mM citrate buffer, pH 6, for 10-20 min followed by cooling at RT for 20 min.\. FACS: 0.5-1 µg/10^6 cells,IF: 1-2 µg/mL,Western blot: 1-2 µg/mL,IHC (FFPE): 0.5-1 µg/mL (1)
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 TOP2A 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 tonsil with TOP2A antibody (clone TPM2A-1).

