

Datasheet for ABIN6251852

anti-Topoisomerase II alpha antibody



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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), Immunohistochemistry (IHC), Immunofluorescence (IF), Flow Cytometry (FACS)

Product Details

Immunogen:	Human partial recombinant protein was used as the immunogen for this Topoisomerase II alpha antibody.
Clone:	TPM2A-2
Isotype:	IgG
Purification:	Protein G affinity chromatography

Target Details

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

Target Details

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

UniProt: [P11388](#)

Pathways: [Cell Division Cycle, Mitotic G1-G1/S Phases](#)

Application Details

Application Notes: Flow Cytometry: 0.5-1 µg/10⁶ cells

IF: 1-2 µg/mL

Western blot: 1-2 µg/mL

IHC (FFPE): 0.5-1 µg/mL (1)

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.

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.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 0.2 mg/mL

Buffer: PBS with 0.1 mg/mL BSA and 0.05 % sodium azide

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C

Handling

Storage Comment: Aliquot and Store at -20C. Avoid freez-thaw cycles.