

Datasheet for ABIN6252772

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

Overview

Quantity:	100 µg
Target:	Topoisomerase II alpha (TOP2A)
Binding Specificity:	AA 1352-1493
Reactivity:	Human, Mouse
Host:	Mouse
Clonality:	Monoclonal
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Flow Cytometry (FACS)

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 (TOP2A Products)
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

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 in 0.1ml

IF: 1-2 µg/mL

Western blot: 1-2 µg/mL

IHC (FFPE): 0.5-1 µg/mL

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.

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

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