Datasheet for ABIN6157543

anti-Topoisomerase II alpha antibody (AA 1352-1493) (CF®594)

Go to Product page

Overview

Quantity:	100 µL
Target:	Topoisomerase II alpha (TOP2A)
Binding Specificity:	AA 1352-1493
Reactivity:	Human, Mouse
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Topoisomerase II alpha antibody is conjugated to CF®594
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Flow Cytometry (FACS)

Product Details

Purpose:	Mouse Monoclonal anti-Topoisomerase-II-alpha (TOP2A/1361), CF594 Conjugate
Immunogen:	Recombinant human Topoisomerase II alpha fragment (aa1352-1493) (exact sequence is proprietary)
Clone:	TOP2A-1361
Isotype:	IgG2b kappa
Characteristics:	This antibody recognizes a 170 kDa protein, which is identified as topoisomerase IIα. It shows no cross-reaction with topoisomerase IIβ or topoisomerase I. Topo IIα 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 IIα is also implicated in drug resistance of tumor

Product Details

	cells. Primary antibodies are available purified, or with a selection of fluorescent CF® dyes and other labels. CF® dyes offer exceptional brightness and photostability. Note: Conjugates of blue fluorescent dyes like CF®405S and CF®405M are not recommended for detecting low abundance targets, because blue dyes have lower fluorescence and can give higher non-specific background than other dye colors.

Target Details

Target:	Topoisomerase II alpha (TOP2A)
Alternative Name:	Topoisomerase-II-alpha (TOP2A Products)
Molecular Weight:	170 kDa
Gene ID:	7153, 156346
UniProt:	P11388
Pathways:	Cell Division Cycle, Mitotic G1-G1/S Phases

Application Details

Application Notes:	Immunohistology (formalin) 0.5-1 µg/mL • Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 min • Flow Cytometry 0.5-1 µg/million cells/0.1 mL • Immunofluorescence 1-2 µg/mL • Western blotting 0.5-1 µg/mL • Optimal dilution for a specific application should be determined by user
Comment:	HeLa Cells or Tonsil
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	100 µg/mL
Buffer:	PBS/0.1 % BSA/0.05 % azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which

Handling

	should be handled by trained staff only.
Handling Advice:	Protect from light