Datasheet for ABIN7150354 anti-TOP1MT antibody (AA 270-400) (HRP)

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Overview

Quantity:	100 µg
Target:	TOP1MT
Binding Specificity:	AA 270-400
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TOP1MT antibody is conjugated to HRP
Application:	ELISA

Product Details

Immunogen:	Recombinant Human DNA topoisomerase I, mitochondrial protein (270-400AA)
Isotype:	lgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	TOP1MT
Alternative Name:	TOP1MT (TOP1MT Products)
Background:	Background: Releases the supercoiling and torsional tension of DNA introduced during
	duplication of mitochondrial DNA by transiently cleaving and rejoining one strand of the DNA

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duplex. Introduces a single-strand break via transesterification at a target site in duplex DNA.
The scissile phosphodiester is attacked by the catalytic tyrosine of the enzyme, resulting in the
formation of a DNA-(3\'-phosphotyrosyl)-enzyme intermediate and the expulsion of a 5\'-OH
DNA strand. The free DNA strand then rotates around the intact phosphodiester bond on the
opposing strand, thus removing DNA supercoils. Finally, in the religation step, the DNA 5\'-OH
attacks the covalent intermediate to expel the active-site tyrosine and restore the DNA
phosphodiester backbone (By similarity).
Aliases: TOP1MT antibody, DNA topoisomerase I antibody, mitochondrial antibody, TOP1mt
antibody, EC 5.6.2.1 antibody
Q969P6
Optimal working dilution should be determined by the investigator.
For Research Use only
Liquid
Liquid Preservative: 0.03 % Proclin 300
Preservative: 0.03 % Proclin 300
Preservative: 0.03 % Proclin 300 Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4
Preservative: 0.03 % Proclin 300 Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4 ProClin
Preservative: 0.03 % Proclin 300 Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4 ProClin This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be