

anti- TOP1MT antibody

Product Information

Catalog No.:	FNab08866
Size:	100µg
Form:	liquid
Purification:	Immunogen affinity purified
Purity:	≥95% as determined by SDS-PAGE
Host:	Rabbit
Clonality:	polyclonal
Clone ID:	None
IsoType:	IgG
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months (Avoid repeated freeze / thaw cycles.)

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 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 undergoes passage around the unbroken 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).

Immunogen information

Immunogen:	topoisomerase(DNA) I, mitochondrial
Synonyms:	None
Observed MW:	70 kDa
UniprotID :	Q969P6

Application

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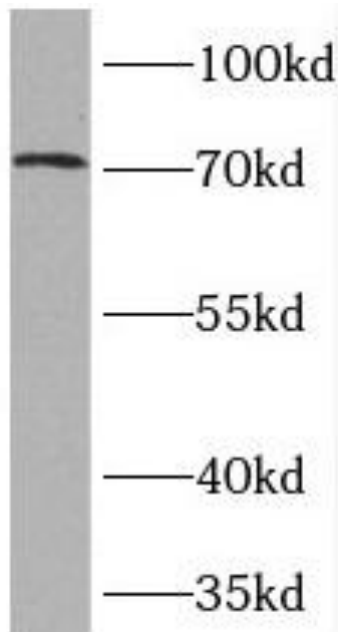
Wuhan Fine Biotech Co., Ltd.

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Reactivity: Human
Tested Application: ELISA, WB
Recommended dilution: WB: 1:500-1:2000
Image:



COLO 320 cells were subjected to SDS PAGE followed by western blot with FNab08866(TOP1MT Antibody) at dilution of 1:1000

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