

## TOP1MT Conjugated Antibody

Catalog No: #C37052



Package Size: #C37052-AF350 100ul #C37052-AF405 100ul #C37052-AF488 100ul  
 #C37052-AF555 100ul #C37052-AF594 100ul #C37052-AF647 100ul  
 #C37052-AF680 100ul #C37052-AF750 100ul #C37052-Biotin 100ul

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## Description

Product Name	TOP1MT Conjugated Antibody
Host Species	Rabbit
Clonality	Polyclonal
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total TOP1MT protein.
Immunogen Description	Synthetic peptide corresponding to a region derived from internal residues of human topoisomerase (DNA) I, mitochondrial
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	TOP1M; TOP1MT; topoisomerase (DNA) I, mitochondrial
Accession No.	Swiss-Prot#:Q969P6NCBI Gene ID:116447NCBI Protein#:NP_001245375
Uniprot	Q969P6
GeneID	116447;
Excitation Emission	AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at 4°C in dark for 6 months

## Application Details

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

## Background

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This gene encodes a mitochondrial DNA topoisomerase that plays a role in the modification of DNA topology. The encoded protein is a type IB topoisomerase and catalyzes the transient breaking and rejoining of DNA to relieve tension and DNA supercoiling generated in the mitochondrial genome during replication and transcription. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene.

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Note: This product is for in vitro research use only