



# TOP1M Monoclonal Antibody

Catalog No	BYmab-05525
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	TOP1MT
Protein Name	DNA topoisomerase I, mitochondrial (TOP1mt) (EC 5.99.1.2)
Immunogen	Synthesized peptide derived from part region of human protein
Specificity	TOP1M Monoclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	66kD
Cell Pathway	Mitochondrion .
Tissue Specificity	Ubiquitous; highest in skeletal muscle, heart, brain and fetal liver.
Function	catalytic activity:ATP-independent breakage of single-stranded DNA, followed by passage and rejoining.,cofactor:Divalent metal ions (calcium or magnesium).,function:Relieves DNA strain that arise during duplication of mitochondrial DNA.,miscellaneous:When a topoisomerase transiently breaks a DNA backbone bond, it simultaneously forms a protein-DNA link, in which a tyrosyl oxygen in the enzyme is joined to a DNA phosphorus at one end of the enzyme-severed DNA strand.,similarity:Belongs to the eukaryotic type I topoisomerase family.,tissue specificity:Ubiquitous; highest in skeletal muscle, heart, brain and fetal liver.,
Background	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

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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. [provided by RefSeq, May 2012],

**matters needing attention**

Avoid repeated freezing and thawing!

**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## Products Images