

Mouse anti-Human Topoisomerase I, Mitochondrial (TOP1MT) Monoclonal Antibody | anti-TOP1MT antibody

Topoisomerase I, Mitochondrial (TOP1MT) Recombinant Mouse Monoclonal Antibody [Clone rTOP1MT/488]

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA215548	Mouse	Human	Immunohistochemistry, Western Blot, Immunofluorescence, Flow Cytometry, Functional Assay

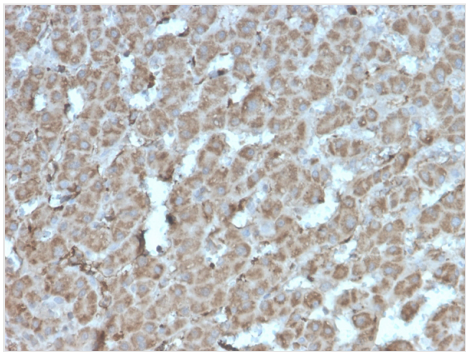
PRODUCT SYNONYMS

Topoisomerase I; Mitochondrial (TOP1MT); Monoclonal Antibody; Mitochondrial (TOP1MT) Recombinant Mouse Monoclonal Antibody [Clone rTOP1MT/488]; DNA topoisomerase I; TOP1MT; Topoisomerase I mitochondrial; Type IB Topoisomerase; anti-TOP1MT antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	Mouse/IgG1, kappa
Clone Number	rTOP1MT/488
Form/Format	200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Concentration	Purified Ab with BSA and Azide at 200ug/ml OR Purified Ab WITHOUT BSA and Azide at 1.0mg/ml (varies by lot)
Applicable Applications for anti-TOP1MT antibody	IHC (Immunohistochemistry), WB (Western Blot), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Antibody Type	Recombinant Antibody
Immunogen	Recombinant full-length human TOP1MT protein
Cellular Localization	Cytoplasm (Mitochondria)
Positive Control	MCF-7 or A431 cells. Jurkat cell lysate. Human heart, skeletal muscle, brain or fetal liver tissue.
Hu-chromosome Location	8q24.3
Unigene	528574
Preparation and Storage	Antibody with azide: store at 2 to 8 degree C Antibody without azide: store at -20 to -80 degree C Antibody is stable for 24 months. Non-hazardous. No MSDS required.

IMAGES



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human liver stained with Topo I, MT Recombinant Mouse Monoclonal Antibody (rTOP1MT/488).

ADDITIONAL INFORMATION

Related Product Information for anti-TOP1MT antibody	DNA topoisomerases are nuclear enzymes that regulate the topological structure of DNA in eukaryotic cells by transiently breaking and rejoining DNA strands. Due to their roles in DNA replication, recombination, and transcription, DNA topoisomerases have been identified as targets of numerous anticancer drugs. Mitochondrial Topo I (DNA topoisomerase I, mitochondrial) is a 601 amino acid protein that primarily acts to relieve DNA strain that may occur during duplication of mitochondrial DNA. As a type IB topoisomerase, mitochondrial Topo I requires a divalent metal, either, calcium or magnesium, as well as an alkaline pH for optimal activity.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	386642871
NCBI GeneID	116447
NCBI Accession #	NP_001245375.1
NCBI GenBank Nucleotide #	NM_001258446.1
UniProt Accession #	Q969P6; Q86ST4; Q86V82; B7ZAR5; E7ES89
Molecular Weight	70kDa
NCBI Official Full Name	DNA topoisomerase I, mitochondrial isoform 2
NCBI Official Synonym Full Names	topoisomerase (DNA) I, mitochondrial
NCBI Official Symbol	TOP1MT
NCBI Protein Information	DNA topoisomerase I, mitochondrial
UniProt Protein Name	DNA topoisomerase I, mitochondrial
UniProt Gene Name	TOP1MT
UniProt Synonym Gene Names	TOP1mt
UniProt Entry Name	TOP1M_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/topoisomerase-i-mitochondrial-top1mt-antibody-clone-rtop1mt-488-immunohistochemistry-western-blot-immunofluorescence-flow-cytometry-elisa/215548>