

Rabbit TOP1MT Polyclonal Antibody | anti-TOP1MT antibody

TOP1MT Antibody

CATALOG # AAA327956	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS ELISA, Western Blot
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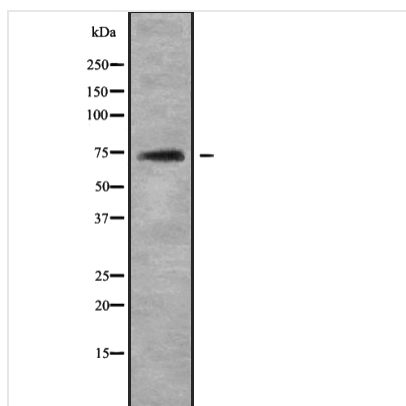
PRODUCT SYNONYMS

TOP1MT; Polyclonal Antibody; TOP1MT Antibody; 2900052H09Rik; DNA topoisomerase I; mitochondrial; TOP1M_HUMAN; TOP1mt; Topoisomerase I mitochondrial; anti-TOP1MT antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	TOP1MT antibody detects endogenous levels of total TOP1MT
Purity/Purification	Peptide affinity purification
Form/Format	Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	503
Applicable Applications for anti-TOP1MT antibody	ELISA, WB (Western Blot)
Immunogen	A synthesized peptide derived from human TOP1MT, corresponding to a region within the internal amino acids.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis of TOP1MT using COLO205 whole cell lysates

ADDITIONAL INFORMATION

Related Product Information for anti-TOP1MT antibody	Function: 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 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).
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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	70 kDa
NCBI Official Full Name	DNA topoisomerase I, mitochondrial isoform 2
NCBI Official Synonym Full Names	DNA topoisomerase 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

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/polyclonal/top1mt-antibody-western-blot-elisa/327956>