

Rabbit TOP1 Polyclonal Antibody | anti-TOP1 antibody

TOP1 Antibody (N-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA287962	Rabbit	Human (Predicted Reactivity: Hamster, Mouse, Rat)	Immunofluorescence, ELISA, Western Blot

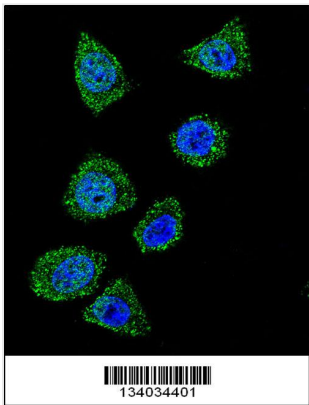
PRODUCT SYNONYMS

TOP1; Polyclonal Antibody; TOP1 Antibody (N-term); DNA topoisomerase 1; DNA topoisomerase I; anti-TOP1 antibody

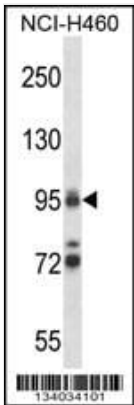
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Hamster, Mouse, Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This TOP1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 2-31 amino acids from the N-terminal region of human TOP1.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	2-31
Sequence Length	765
Applicable Applications for anti-TOP1 antibody	IF (Immunofluorescence), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IF (Immunofluorescence)
Confocal immunofluorescent analysis of TOP1 Antibody (N-term) with HeLa cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green).DAPI was used to stain the cell nuclear (blue).



WB (Western Blot)
TOP1 Antibody (N-term) western blot analysis in NCI-H460 cell line lysates (35ug/lane).This demonstrates the TOP1 antibody detected the TOP1 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-TOP1 antibody	This gene encodes a DNA topoisomerase, an enzyme that controls and alters the topologic states of DNA during transcription. This enzyme catalyzes the transient breaking and rejoining of a single strand of DNA which allows the strands to pass through one another, thus altering the topology of DNA. This gene is localized to chromosome 20 and has pseudogenes which reside on chromosomes 1 and 22.
Product Categories/Family for anti-TOP1 antibody	Cancer
References	Kjeldsen, E., et al. Anticancer Res. 30(9):3257-3265(2010) Reinhold, W.C., et al. Cancer Res. 70(6):2191-2203(2010) Tesauro, C., et al. Biochem. J. 425(3):531-539(2010) Ballot, C., et al. Mol. Cancer Ther. 8(12):3307-3317(2009) Lebedeva, N.A., et al. Biochemistry Mosc. 74(11):1278-1284(2009)

NCBI AND UNIPROT INFORMATION

NCBI GI #	11225260
NCBI GeneID	7150
NCBI Accession #	NP_003277.1
NCBI GenBank Nucleotide #	NM_003286.2
UniProt Accession #	P11387; O43256; Q12855; Q12856; Q15610; Q5TFY3; Q9UJN0; A8KA78; E1P5W3
Molecular Weight	90726
NCBI Official Full Name	DNA topoisomerase 1
NCBI Official Synonym Full Names	topoisomerase (DNA) I
NCBI Official Symbol	TOP1
NCBI Official Synonym Symbols	TOPI
NCBI Protein Information	DNA topoisomerase 1
UniProt Protein Name	DNA topoisomerase 1

UniProt Gene Name	TOP1
UniProt Entry Name	TOP1_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://www.aaabiotech.com/polyclonal/top1-antibody-immunofluorescence-western-blot-elisa/287962>