Rabbit TOP2A Polyclonal Antibody | anti-TOP2A antibody

TOP2A Antibody (C-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA288888	**Rabbit**	**Human (Predicted Reactivity: Hamster, Mouse, Rat)**	**Immunofluorescence, Immunohistochemistry, ELISA, Western Blot**

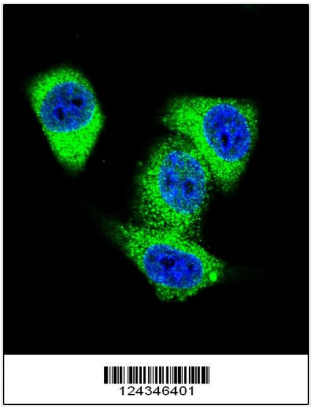
PRODUCT SYNONYMS

TOP2A; Polyclonal Antibody; TOP2A Antibody (C-term); DNA topoisomerase 2-alpha; DNA topoisomerase II; alpha isozyme; TOP2; anti-TOP2A antibody

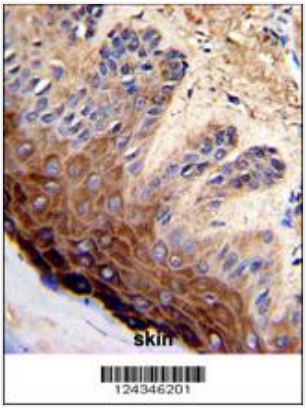
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Hamster, Mouse, Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This TOP2A antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1167-1196 amino acids from the C-terminal region of human TOP2A.
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: 0.415 (varies by lot)
Sequence Positions	1167-1196
Sequence Length	1,612
Applicable Applications for anti-TOP2A antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), 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.

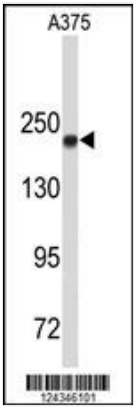
IMAGES



IF (Immunofluorescence)
Confocal immunofluorescent analysis of TOP2A Antibody (C-term) with Hela cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used to stain the cell nuclear (blue).



IHC (Immunohiostchemistry)
Formalin-fixed and paraffin-embedded human skin with TOP2A Antibody (C-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



WB (Western Blot)
Western blot analysis of TOP2A Antibody (C-term) in A375 cell line lysates (35ug/lane). TOP2A (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-TOP2A antibody	TOP2A encodes a DNA topoisomerase, an enzyme that controls and alters the topologic states of DNA during transcription. This nuclear enzyme is involved in processes such as chromosome condensation, chromatid separation, and the relief of torsional stress that occurs during DNA transcription and replication. It catalyzes the transient breaking and rejoining of two strands of duplex DNA which allows the strands to pass through one another, thus altering the topology of DNA.
Product Categories/Family for anti-TOP2A antibody	Cancer
References	Kawamura,R., et.al, J. Cell Biol. 188 (5), 653-663 (2010) Alchanati,I., et.al, PLoS ONE 4 (12), E8104 (2009)

NCBI AND UNIPROT INFORMATION

NCBI GI #	19913406
NCBI GeneID	7153
NCBI Accession #	NP_001058.2
NCBI GenBank Nucleotide #	NM_001067.3
UniProt Accession #	P11388; Q71UN1; Q71UQ5; Q9HB24; Q9HB25; Q9HB26; Q9UP44; Q9UQP9; B2RTS1

Molecular Weight	174385
NCBI Official Full Name	DNA topoisomerase 2-alpha
NCBI Official Synonym Full Names	topoisomerase (DNA) II alpha 170kDa
NCBI Official Symbol	TOP2A
NCBI Official Synonym Symbols	TOP2; TP2A
NCBI Protein Information	DNA topoisomerase 2-alpha
UniProt Protein Name	DNA topoisomerase 2-alpha
UniProt Gene Name	**TOP2A**
UniProt Synonym Gene Names	TOP2
UniProt Entry Name	TOP2A_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/top2a-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/288888