

Rabbit anti-Human, Mouse TOP2B Polyclonal Antibody | anti-TOP2B antibody

TOP2B Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA320923	Rabbit	Human, Mouse	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

TOP2B; Polyclonal Antibody; TOP2B Antibody; Antigen MLAA 44; beta isozyme; DNA topoisomerase 2 beta; DNA topoisomerase 2-beta; DNA topoisomerase II 180 kD; DNA topoisomerase II; DNA topoisomerase II beta; DNA topoisomerase II beta isozyme; Top 2; TOP 2B; TOP IIB; Top2 beta; TOP2B_HUMAN; Top2beta; TOPIIB; Topo II beta; Topoisomerase (DNA) II beta 180kDa; Topoisomerase (DNA) II beta; Topoisomerase IIB; U937 associated antigen; anti-TOP2B antibody

PRODUCT SPECIFICATIONS

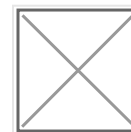
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	TOP2B antibody detects endogenous levels of total TOP2B
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	1621
Applicable Applications for anti-TOP2B antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human TOP2B
Subcellular Location	Cytoplasm. Nucleus > Nucleolus.
Predicted Cross Reactivity	Bovine, Sheep, Dog, Chicken
Similarity	Bovine (93%), Sheep (100%), Dog (100%), Chicken (80%)
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 on Jurkat cell lysate using TOP2B Antibody. The lane on the left is treated with the antigen-specific peptide.



IF (Immunofluorescence)

AAA320923 staining HeLa by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



IHC (Immunohistochemistry)

AAA320923 at 1/100 staining human brain tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-TOP2B antibody	Description: TOP2B Control of topological states of DNA by transient breakage and subsequent rejoining of DNA strands. Topoisomerase II makes double-strand breaks. Indirectly involved in vitamin D-coupled transcription regulation via its association with the WINAC complex, a chromatin-remodeling complex recruited by vitamin D receptor (VDR), which is required for the ligand-bound VDR-mediated transrepression of the CYP27B1 gene. Belongs to the type II topoisomerase family. Function: Control of topological states of DNA by transient breakage and subsequent rejoining of DNA strands. Topoisomerase II makes double-strand breaks. Subunit Structure: Homodimer (PubMed:21778401). Interacts with KIAA1210 (By similarity). Similarity: Belongs to the type II topoisomerase family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	19913408
NCBI GeneID	7155
NCBI Accession #	NP_001059.2
NCBI GenBank Nucleotide #	NM_001068.3
UniProt Accession #	Q02880; Q13600; Q9UMG8; Q9UQP8
Molecular Weight	Observed: 183 kDa Predicted: 184 kDa
NCBI Official Full Name	DNA topoisomerase 2-beta isoform 2
NCBI Official Synonym Full Names	DNA topoisomerase II beta
NCBI Official Symbol	TOP2B
NCBI Official Synonym Symbols	TOPIIB; top2beta
NCBI Protein Information	DNA topoisomerase 2-beta
UniProt Protein Name	DNA topoisomerase 2-beta
UniProt Gene Name	TOP2B

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/top2b-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/320923>