

Rabbit anti-Human, Mouse Topo II Beta Polyclonal Antibody | anti-TopoIIBeta antibody

Rabbit anti-Topo II Beta Antibody, Affinity Purified

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA211242	Rabbit	Human, Mouse	Immunohistochemistry, Immunoprecipitation, Western Blot

PRODUCT SYNONYMS

Topo II Beta; Polyclonal Antibody; Rabbit anti-Topo II Beta Antibody; Affinity Purified; topo II beta; antigen MLAA-44; topoisomerase IIb; U937 associated antigen; topoisomerase II beta; topoisomerase (DNA) II beta 180kDa; top2beta; DNA topoisomerase II; beta isozyme; DNA topoisomerase 2-beta; 180 kD; TOP1IB; DNA topoisomerase II beta; anti-TopoIIBeta antibody

PRODUCT SPECIFICATIONS

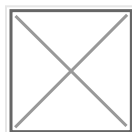
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Purity/Purification	Antigen Affinity Purified
Form/Format	Liquid. Whole IgG. Tris-buffered Saline containing 0.1% BSA and 0.09% Sodium Azide
Concentration	200ug/ml (varies by lot)
Applicable Applications for anti-TopoIIBeta antibody	IHC (Immunohistochemistry), IP (Immunoprecipitation), WB (Western Blot)
Immunogen	Between 1576 and C-terminus
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt

IMAGES



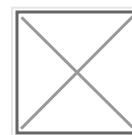
WB (Western Blot)

Detection of human and mouse Topo II Beta by western blot. Samples: Whole cell lysate (50 ug) from HEK293T, HeLa, Jurkat, TCMK-1, and NIH 3T3 cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-Topo II Beta antibody AAA211242 (lot AAA211242-2) used for WB at 0.04 ug/ml. Detection: Chemiluminescence with an exposure time of 30 seconds.



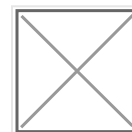
IHC (Immunohistochemistry)

Detection of human Topo II Beta by immunohistochemistry. Sample: FFPE section of human ovarian cancer. Antibody: Affinity purified rabbit anti-Topo II Beta (Cat. No. AAA211242 lot 2) used at a dilution of 1:1,000 (0.2ug/ml). Detection: DAB



IP (Immunoprecipitation)

Detection of human Topo II Beta by western blot of immunoprecipitates. Samples: Whole cell lysate (1.0 mg per IP reaction; 20% of IP loaded) from HEK293T cells prepared using NETN lysis buffer. Antibodies: Affinity purified rabbit anti-Topo II Beta antibody AAA211242 (lot AAA211242-2) used for IP at 6 ug per reaction. Topo II Beta was also immunoprecipitated by a previous lot of this antibody (lot AAA211242-1) and rabbit anti-Topo II Beta antibody For blotting immunoprecipitated Topo II Beta, AAA211242 was used at 0.04 ug/ml. Detection: Chemiluminescence with an exposure time of 1 second.



IHC (Immunohistochemistry)

Detection of human Topo II Beta by immunohistochemistry. Sample: FFPE section of human small cell lung cancer. Antibody: Affinity purified rabbit anti-Topo II Beta (Cat. No. AAA211242 lot 2) used at a dilution of 1:1,000 (0.2ug/ml). Detection: DAB

ADDITIONAL INFORMATION

Related Product Information for anti-TopoIIBeta antibody	Topoisomerases regulate topological states of DNA and are divided into type I and type II enzymes. Type II topoisomerases make double stranded breaks in DNA and allow the passage of another duplex DNA across the break to achieve unknotting of entangled DNA. Topo II beta is one of two described isoforms that are likely products of a gene duplication event. TopoII beta is also described to be involved in chromosome condensation, chromatid separation, and the relief of supercoil stress.
Product Categories/Family for anti-TopoIIBeta antibody	Primary Antibodies

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	183,267 Da
NCBI Official Full Name	DNA topoisomerase 2-beta
NCBI Official Synonym Full Names	topoisomerase (DNA) II beta 180kDa
NCBI Official Symbol	TOP2B
NCBI Official Synonym Symbols	TOPIIB; top2beta
NCBI Protein Information	DNA topoisomerase 2-beta; topo II beta; antigen MLAA-44; topoisomerase IIb; topoisomerase II beta; U937 associated antigen; DNA topoisomerase II beta; DNA topoisomerase II, 180 kD; DNA topoisomerase II, beta isozyme
UniProt Protein Name	DNA topoisomerase 2-beta
UniProt Gene Name	TOP2B
UniProt Entry Name	TOP2B_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/polyclonal/topo-ii-beta-antibody-immunohistochemistry-immunoprecipitation-western-blot-elisa/211242>