

Rabbit anti-Human, Mouse TOP3B Polyclonal Antibody | anti-TOP3B antibody

TOP3B Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA323775	Rabbit	Human, Mouse	ELISA, Immunohistochemistry, Immunocytochemistry, Immunofluorescence, Western Blot

PRODUCT SYNONYMS

TOP3B; Polyclonal Antibody; TOP3B Antibody; DNA topoisomerase 3 beta 1; DNA topoisomerase 3-beta-1; DNA topoisomerase III beta 1; DNA topoisomerase III beta-1; FLJ39376; TOP 3B; TOP3B_HUMAN; TOP3B1; Topo III beta; Topoisomerase (DNA) III beta; Topoisomerase DNA III beta; Topoisomerase III beta; anti-TOP3B antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	TOP3B antibody detects endogenous levels of total TOP3B
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)
Applicable Applications for anti-TOP3B antibody	ELISA, IHC (Immunohistochemistry), ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide derived from human TOP3B, corresponding to a region within C-terminal amino acids.
Preparation and Storage	Store at -20°C. Stable for 12 months from date of receipt.

IMAGES



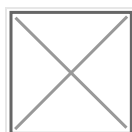
IHC (Immunohistochemistry)

AAA323775 at 1/100 staining Rat testis tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



WB (Western Blot)

Western blot analysis of extracts from Mouse brain, using TOP3B Ab. The lane on the left was treated with blocking peptide.



IF (Immunofluorescence)

AAA323775 staining HepG2 cells 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) antibody, diluted at 1/600, was used as secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-TOP3B antibody	Function: Releases the supercoiling and torsional tension of DNA introduced during the DNA replication and transcription 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-(5'-phosphotyrosyl)-enzyme intermediate and the expulsion of a 3'-OH DNA strand. The free DNA strand then undergoes passage around the unbroken strand thus removing DNA supercoils. Finally, in the religation step, the DNA 3'-OH attacks the covalent intermediate to expel the active-site tyrosine and restore the DNA phosphodiester backbone (By similarity). Possesses negatively supercoiled DNA relaxing activity. Similarity: Belongs to the type IA topoisomerase family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	530788288
NCBI GeneID	8940
NCBI Accession #	NP_001269041.1
NCBI GenBank Nucleotide #	NM_001282112.1
UniProt Accession #	O95985; Q9BUP5; A0M8Q3
Molecular Weight	96 KD
NCBI Official Full Name	DNA topoisomerase 3-beta-1 isoform 1
NCBI Official Synonym Full Names	DNA topoisomerase III beta
NCBI Official Symbol	TOP3B
NCBI Official Synonym Symbols	TOP3B1
NCBI Protein Information	DNA topoisomerase 3-beta-1
UniProt Protein Name	DNA topoisomerase 3-beta-1
UniProt Gene Name	TOP3B
UniProt Synonym Gene Names	TOP3B1

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.