

Immunotag™ TOP3A Antibody

Antibody Specification	
Catalog No.	ITA4152
Product Description	Immunotag™ TOP3A Antibody
Size	100 µg, 200 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	TOP3A
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,IF/ICC,ELISA
Recommended Dilution	WB 1:500~1:1000, IF/ICC 1:100-1:500
Concentration	1 mg/ml
Reactive Species	Human,Mouse
Host Species	Rabbit
Immunogen	A synthesized peptide
Specificity	TOP3A Antibody detects endogenous levels of total TOP3A
Purification	The antiserum was purified by peptide affinity chromatography.
Form	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt
Gene Name	TOP3A
Accession No.	Q13472
Alternate Names	DNA topoisomerase 3 alpha; DNA topoisomerase 3-alpha; DNA topoisomerase III alpha; TOP 3; TOP3; TOP3A; TOP3A_HUMAN; topo III-alpha; topoisomerase (DNA) III alpha; topoisomerase (DNA) III; topoisomerase III alpha; ZGRF7; zinc finger, GRF-type containing 7;

Antibody Specification

Description	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. Essential component of the RMI complex, a complex that plays an important role in the processing of homologous recombination intermediates to limit DNA crossover formation in cells. Has DNA decatenation activity.
Cell Pathway/ Category	Primary Polyclonal Antibody
Protein MW	115 KD
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.