

KD-Validated Anti-Topoisomerase II alpha Rabbit Monoclonal Antibody

Rabbit monoclonal antibody

Catalog # AGI1704

Product Information

Application	WB, FC, ICC
Primary Accession	P11388
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Names	24GB1915
Calculated MW	174385
Gene Name	TOP2A
Aliases	TOP2A; DNA Topoisomerase II Alpha 2; TOP2alpha; TOPIIA; TOP2; Topoisomerase (DNA) II Alpha 170kDa; DNA Topoisomerase II, Alpha Isozyme; DNA Topoisomerase 2-Alpha; DNA Topoisomerase (ATP-Hydrolyzing); DNA Topoisomerase II, 170 KD; EC 5.99.1.3; DNA Gyrase; EC 5.6.2.2; TP2A
Immunogen	A synthesized peptide derived from human Topoisomerase II alpha

Additional Information

Gene ID	7153
Other Names	DNA topoisomerase 2-alpha, 5.6.2.2 {ECO:0000255 PROSITE-ProRule:PRU00995, ECO:0000269 PubMed:19222228, ECO:0000269 PubMed:19697956}, DNA topoisomerase II, alpha isozyme, TOP2A, TOP2

Protein Information

Name	TOP2A
Synonyms	TOP2
Function	Key decatenating enzyme that alters DNA topology by binding to two double-stranded DNA molecules, generating a double-stranded break in one of the strands, passing the intact strand through the broken strand, and religating the broken strand (PubMed: 17567603 , PubMed: 18790802 , PubMed: 22013166 , PubMed: 22323612 , PubMed: 27754753). May play a role in regulating the period length of BMAL1 transcriptional oscillation (By similarity).
Cellular Location	Cytoplasm. Nucleus, nucleoplasm. Nucleus. Nucleus, nucleolus

Tissue Location

Expressed in the tonsil, spleen, lymph node, thymus, skin, pancreas, testis, colon, kidney, liver, brain and lung (PubMed:9155056). Also found in high-grade lymphomas, squamous cell lung tumors and seminomas (PubMed:9155056)

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