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KD-Validated Anti-TOP2A Rabbit Polyclonal Antibody

Rabbit polyclonal antibody
Catalog # AGI2132

Product Information

Application	WB
Primary Accession	P11388
Reactivity	Rat, Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	174385
Gene Name	TOP2A
Aliases	TOP2A; DNA Topoisomerase II Alpha; 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 2 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)

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.