

Anti-Topoisomerase II alpha TOP2A Rabbit Monoclonal Antibody

Catalog # ABO14288

Product Information

Application	WB, IHC, IP
Primary Accession	P11388
Host	Rabbit
Isotype	Rabbit IgG
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Format	Liquid
Description	Anti-Topoisomerase II alpha TOP2A Rabbit Monoclonal Antibody . Tested in WB, IHC, IP applications. This antibody reacts with Human, Mouse, Rat.

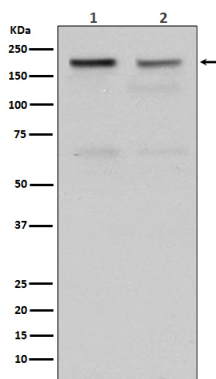
Additional Information

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
Calculated MW	174385
Application Details	WB 1:500-1:2000 IHC 1:50-1:200 IP 1:50
Subcellular Localization	Cytoplasm. Nucleus, nucleoplasm. Generally located in the nucleoplasm.
Source	Eukaryota
Contents	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.
Clone Names	Clone: FB-20
Immunogen	A synthesized peptide derived from human Topoisomerase II alpha
Purification	Affinity-chromatography
Storage	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.

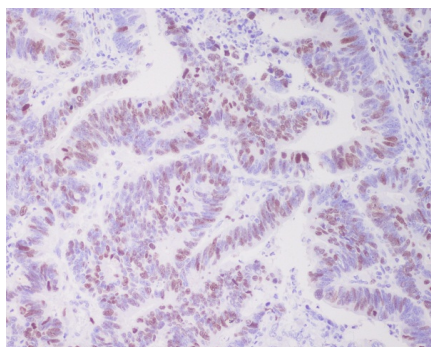
Protein Information

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)

Images



Western blot analysis of Topoisomerase II alpha expression in (1) HeLa cell lysate; (2) Jurkat cell lysate.



Immunohistochemical analysis of paraffin-embedded human colon cancer, using Topoisomerase II alpha Antibody.

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