

# Topoisomerase II alpha Antibody

Rabbit mAb

Catalog # AP90075

## Product Information

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<b>Application</b>	WB, IHC, IP
<b>Primary Accession</b>	<a href="#">P11388</a>
<b>Reactivity</b>	Rat, Human, Mouse
<b>Clonality</b>	Monoclonal
<b>Other Names</b>	DNA topoisomerase II; DNA topoisomerase II-alpha; TOP2; TOP2A; TP2A; alpha isoyme;
<b>Isotype</b>	Rabbit IgG
<b>Host</b>	Rabbit
<b>Calculated MW</b>	174385

## Additional Information

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<b>Dilution</b>	WB 1:500~1:2000 IHC 1:50~1:200 IP 1:50
<b>Purification</b>	Affinity-chromatography
<b>Immunogen</b>	A synthesized peptide derived from human Topoisomerase II alpha
<b>Description</b>	DNA topoisomerase 2-alpha; DNA topoisomerase II, 170 kd; DNA topoisomerase II, alpha isoyme; TOP2; TOP2A; topoisomerase (DNA) II alpha 170kDa; TP2A.
<b>Storage Condition and Buffer</b>	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

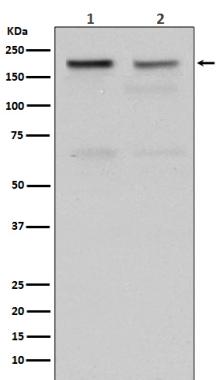
## Protein Information

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<b>Name</b>	TOP2A
<b>Synonyms</b>	TOP2
<b>Function</b>	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: <a href="#">17567603</a> , PubMed: <a href="#">18790802</a> , PubMed: <a href="#">22013166</a> , PubMed: <a href="#">22323612</a> , PubMed: <a href="#">27754753</a> ). May play a role in regulating the period length of BMAL1 transcriptional oscillation (By similarity).
<b>Cellular Location</b>	Cytoplasm. Nucleus, nucleoplasm. Nucleus. Nucleus, nucleolus
<b>Tissue Location</b>	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

## Images

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

Image not found : 202311/AP90075-IHC.jpg

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'.