

## Anti-TOP2A Antibody (1C511)

### Product Details

Ig Type:	Rabbit IgG
Reactivity:	Human, Mouse
Conjugation:	Unconjugated
Clone:	1C511
Purification:	Affinity-chromatography

### Applications

Verified Activity:	<p>1. Western Blot</p> <ul style="list-style-type: none"><li>-Positive WB detected in: Hela whole cell lysate, Jurkat whole cell lysate, K562 whole cell lysate, NIH/3T3 whole cell lysate</li><li>-All lanes: TOP2A antibody at 1:1500</li><li>-Secondary: Goat polyclonal to rabbit IgG at 1/50000 dilution</li><li>-Predicted band size: 175, 178, 179, 183 kDa</li></ul> <p>-Observed band size: 175 kDa</p> <p>2. IHC image of TMAH-01198 diluted at 1:100 and staining in paraffin-embedded human lung cancer performed on a Leica Bond<sup>TM</sup> system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a Goat anti-rabbit IgG polymer labeled by HRP and visualized using 0.05% DAB.</p>
Application:	ELISA, WB, IHC
Recommended	WB:1:500-1:5000; IHC:1:50-1:200.

### Properties

Stability & Storage:	Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

### Antigen Details

Immunogen:	A synthetic peptide: Human Topoisomerase II alpha
Antigen Species:	Human
Gene ID:	7153
Uniprot ID:	P11388
Synonyms:	alpha isozyme;DNA topoisomerase II;DNA topoisomerase 2-alpha;EC 5.99.1.3;TOP2
Biology Area:	Epigenetics and Nuclear Signaling, Cancer

### Research Background

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. May play a role in regulating the period length of ARNTL/BMAL1 transcriptional oscillation.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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