



# Rabbit Anti-Human TOP2A Monoclonal Antibody, clone CQ7127 (CABT-Z192R)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Immunogen</b>	Synthetic peptide corresponding to Topoll $\alpha$ residues within aa1431-1531 of Topoll $\alpha$ was used as an immunogen.
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Human
<b>Clone</b>	CQ7127
<b>Purification</b>	ProA affinity purified IgG.
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	IHC-P Recommended concentration: IHC-P: 1:100-1:200
<b>Molecular Weight</b>	174 kDa
<b>Cellular Localization</b>	Nucleus
<b>Positive Control</b>	Esophagus
<b>Format</b>	Liquid
<b>Concentration</b>	Lot specific
<b>Size</b>	100 $\mu$ l

<b>Buffer</b>	PBS 59%, Sodium azide 0.01%, Glycerol 40%, BSA 0.05%.
<b>Preservative</b>	0.01% Sodium azide
<b>Storage</b>	Store at -20 °C. Avoid freeze/thaw cycles.
<b>Ship</b>	Wet ice

## BACKGROUND

<b>Introduction</b>	The topoisomerase II- $\alpha$ isoform is a 170 kDa nuclear protein and plays an important role in DNA synthesis and RNA transcription, as well as chromosomal segregation during mitosis. Topoisomerase II- $\alpha$ is reported to be a sensitive and specific marker of late S-, G2- & M-phases in transformed and developmentally regulated normal cells, and has been shown to be over-expressed in many human cancers. Decreased expression of Topoisomerase II- $\alpha$ is the predominant mechanism of resistance to several chemotherapeutic agents.
<b>Keywords</b>	TOP2A; topoisomerase (DNA) II alpha 170kDa; TOP2; TP2A; DNA topoisomerase 2-alpha; DNA gyrase; DNA topoisomerase II, 170 kD; DNA topoisomerase (ATP-hydrolyzing); DNA topoisomerase II, alpha isozyme

## GENE INFORMATION

<b>Gene Name</b>	TOP2A
<b>Entrez Gene ID</b>	<a href="#">7153</a>
<b>UniProt ID</b>	<a href="#">P11388</a>