



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

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

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

BACKGROUND

Introduction	The topoisomerase II- α 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- α 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- α is the predominant mechanism of resistance to several chemotherapeutic agents.
Keywords	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

Gene Name	TOP2A
Entrez Gene ID	7153
UniProt ID	P11388