

Product name:	Topoisomerase II alpha (2J12) Rabbit Monoclonal Antibody
Cat number:	MABN19131
Conjugate:	Unconjugated
Size:	100µL
Clone:	Monoclonal
Concentration:	1mg/ml
Host:	Rabbit
Isotype:	IgG
Immunogen:	A synthetic peptide of human Topoisomerase II alpha
Reactivity:	Human, Mouse, Rat
Applications:	WB 1:1000-1:5000, IHC 1:200-1:2000
Molecular Weight:	174kDa
Purification:	Affinity purification
Form:	Liquid
Buffer:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% New type preservative N and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage:	Store at 4°C short term. Aliquot and store at -20°C for 12 months. Avoid freeze/thaw cycles.
Background:	DNA topoisomerase 2-alpha; DNA topoisomerase II, 170 kD; DNA topoisomerase II, alpha isozyme; TOP2; TOP2A; topoisomerase (DNA) II alpha 170kDa; TP2A. 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). May play a role in regulating the period length of ARNTL/BMAL1 transcriptional oscillation (By similarity).