TOP2A (Phospho-Ser1106) Antibody

Catalog No: #12110

Package Size: #12110-1 50ul #12110-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

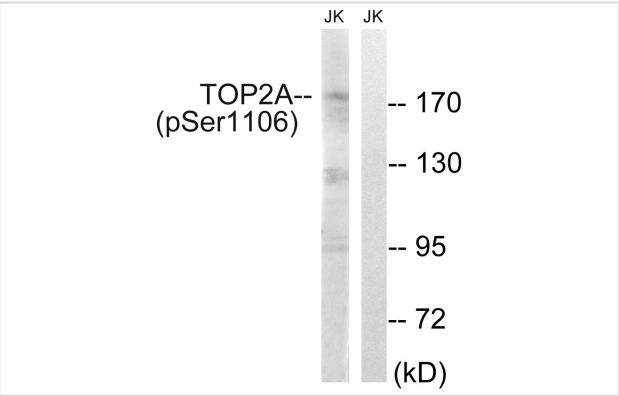
Product Name	TOP2A (Phospho-Ser1106) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatogramphy using non-phosphopeptide.
Applications	WB IHC
Species Reactivity	Hu Ms
Specificity	The antibody detects endogenous levels of TOP2A only when phosphorylated at serine 1106.
Immunogen Type	peptide
Immunogen Description	Peptide sequence around phosphorylation site of serine 1106 (E-E-S(p)-D-N) derived from Human TOP2A.
Target Name	TOP2A
Modification	Phospho
Other Names	alpha isozyme; DNA topoisomerase II; DNA topoisomerase II-alpha; EC 5.99.1.3; P11388-1; TOP-2; TOP2; TOP2A; TP2A
Accession No.	Swiss-Prot#:P11388;NCBI Gene#:7153
Uniprot	P11388
GeneID	7153;
SDS-PAGE MW	174kd
Concentration	1.0mg/ml
Formulation	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

Application Details

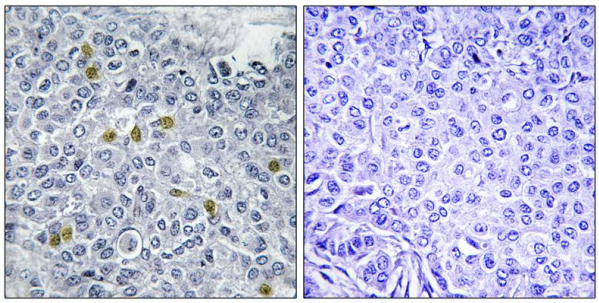
Western blotting: 1:500~1:3000

Immunohistochemistry: 1:50~1:100

Images



Western blot analysis of extracts from Jurkat cells, treated with paclitaxel (1uM, 24hours), using TOP2A (Phospho-Ser1106) antibody #12110. The lane on the right is treated with the synthesized peptide.



Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissue using TOP2A (Phospho-Ser1106) antibody #12110. The picture on the right is treated with the synthesized peptide.

Background

Control of topological states of DNA by transient breakage and subsequent rejoining of DNA strands. Topoisomerase II makes double-strand breaks. Essential during mitosis and meiosis for proper segregation of daughter chromosomes.

Note: This product is for in vitro research use only