Affinity Biosciences
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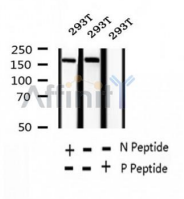
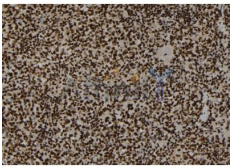
Phospho-Topoisomerase II alpha (Ser1469) Ab

Cat.#: AF2427	Concn.: 1mg/ml	Mol.Wt.: 190kDa
Size: 100ul,200ul	Source: Rabbit	Clonality: Polyclonal

Application:	WB 1:500-1:2000, IHC 1:50-1:200
Reactivity:	Human,Mouse
Purification:	The Ab is from purified rabbit serum by affinity purification via sequential chromatography on phospho- and non-phospho-peptide affinity columns.
Specificity:	Phospho-Topoisomerase IIα (Ser1469) Ab detects endogenous levels of Topoisomerase IIα.
Immunogen:	A synthesized peptide derived from human Topoisomerase IIα around the phosphorylation site of Ser1469.
Uniprot:	P11388
Subcellular Location:	Cytoplasm. Nucleus > nucleoplasm. Generally located in the nucleoplasm.
Similarity:	The N-terminus has several structural domains; the ATPase domain (about residues 1-265), the transducer domain (about 266-428) and the toprim domain (455-572) (PubMed:25202966). Comparing different structures shows ATP hydrolysis induces domain shifts in the N-terminus that are probably part of the mechanism of DNA cleavage and rejoining (PubMed:25202966).Belongs to the type II topoisomerase family.
Storage Condition and Buffer:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt.



Western blot analysis of extracts of 293T cells, using Phospho-Topoisomerase IIα (Ser1469) Ab .



AF2427 at 1/100 staining Mouse spleen tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the Ab for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit Ab was used as the secondary.

IMPORTANT: For western blot, incubate membrane with diluted primary Ab in 5% w/v milk , 1X TBS, 0.1% Tween®20 at 4°C with gentle shaking, overnight.