

## Phospho-Topoisomerase IIα (Ser1469) (D4F5) Rabbit mAb



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## For Research Use Only. Not for Use in Diagnostic Procedures.

<b>Applications:</b> W, IF-IC	Reactivity: H	<b>Sensitivity:</b> Endogenous	<b>MW (kDa):</b> 190	<b>Source/Isotype:</b> Rabbit IgG	UniProt ID: #P11388	Entrez-Gene Id: 7153
Product Usage Information	•	<b>Application</b> Western Blotting Immunofluorescence	· (Immunocytochem	nistry)		<b>Dilution</b> 1:1000 1:400
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μg/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at –20°C. Do not aliquot the antibody.				
Specificity/Sensitivity		Phospho-Topoisomerase II $\alpha$ (Ser1469) (D4F5) Rabbit mAb recognizes endogenous levels of topoisomerase II $\alpha$ protein only when phosphorylated at Ser1469.				
Source / Purification		Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Ser1469 of human topoisomerase II $\alpha$ protein.				
Background						
Background References		<ol> <li>Wang, J.C. (2002) Nat. Rev. Mol. Cell. Biol. 3, 430-40.</li> <li>Pulleyblank, .E. (1997) Science 277, 648-9.</li> <li>Li, T.K. and Liu, L.F. (2001) Annu. Rev. Pharmacol. Toxicol. 41, 53-77.</li> <li>Chikamori, K. et al. (2003) J. Biol. Chem. 278, 12696-702.</li> <li>Escargueil, A.E. et al. (2000) J Biol Chem 275, 34710-8.</li> </ol>				

Species Reactivity

Species reactivity is determined by testing in at least one approved application (e.g., western blot).

**Western Blot Buffer** 

IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v nonfat dry milk, 1X TBS, 0.1% Tween\$ 20 at 4°C with gentle shaking, overnight.

**Applications Key** 

W: Western Blotting IF-IC: Immunofluorescence (Immunocytochemistry)

Cross-Reactivity Key

H: Human

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