

## TOP2A (Phospho-Thr1343) Antibody

Catalog No: #11763

Package Size: #11763-1 50ul #11763-2 100ul

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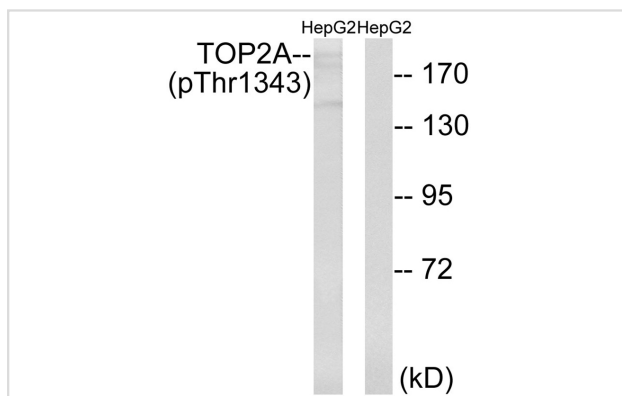
## Description

Product Name	TOP2A (Phospho-Thr1343) 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 chromatography using non-phosphopeptide.
Applications	WB
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of TOP2A only when phosphorylated at threonine 1343.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of threonine1343(E-K-T(p)-D-D) derived from Human TOP2A.
Target Name	TOP2A
Modification	Phospho
Other Names	TP2A; TOP2; TOP2A; P11388-1;
Accession No.	Swiss-Prot#: P11388; NCBI Gene#: 7153; NCBI Protein#: NP_001058.2.
SDS-PAGE MW	190kd
Concentration	1.0mg/ml
Formulation	Rabbit IgG in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C/1 year

## Application Details

Western blotting: 1:500~1:1000

## Images



Western blot analysis of extracts from HepG2 cells treated with Ca<sup>2+</sup> using TOP2A (Phospho-Thr1343) Antibody #11763. The lane on the right is treated with the antigen-specific peptide.

## Background

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This gene encodes a DNA topoisomerase, an enzyme that controls and alters the topologic states of DNA during transcription. This nuclear enzyme is involved in processes such as chromosome condensation, chromatid separation, and the relief of torsional stress that occurs during DNA transcription and replication. It catalyzes the transient breaking and rejoining of two strands of duplex DNA which allows the strands to pass through one another, thus altering the topology of DNA. Two forms of this enzyme exist as likely products of a gene duplication event.

Tsai-Pflugfelder M., Proc. Natl. Acad. Sci. U.S.A. 85:7177-7181(1988).

Wasserman R.A., Cancer Res. 53:3591-3596(1993).

Lang A.J., Gene 221:255-266(1998).

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Note: This product is for in vitro research use only and is not intended for use in humans or animals.