10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Anti-Topoisomerase 2 alpha (Phospho-S1213) Antibody

Catalog # AP61450

Product Information

Application	WB
Primary Accession	P11388
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	174385

Additional Information

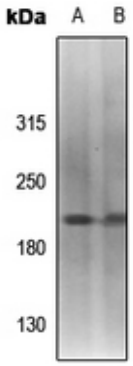
Gene ID	7153
Other Names	TOP2; DNA topoisomerase 2-alpha; DNA topoisomerase II alpha isozyme
Target/Specificity	KLH-conjugated synthetic phosphopeptide corresponding to residues surrounding S1213 of human Topoisomerase 2 alpha protein. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000)
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

Name	TOP2A
Synonyms	TOP2
Function	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, PubMed:27754753). May play a role in regulating the period length of BMAL1 transcriptional oscillation (By similarity).
Cellular Location	Cytoplasm. Nucleus, nucleoplasm. Nucleus. Nucleus, nucleolus
Tissue Location	Expressed in the tonsil, spleen, lymph node, thymus, skin, pancreas, testis, colon, kidney, liver, brain and lung (PubMed:9155056). Also found in high-grade lymphomas, squamous cell lung tumors and seminomas

(PubMed:9155056)

Images



Western blot analysis of Topoisomerase 2 alpha (Phospho-S1213) expression in SHSY5Y (A), Myla2059 (B) whole cell lysates. (Predicted band size: 174 kD; Observed band size: 190 kD)

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.