Datasheet for ABIN1531703

anti-Topoisomerase II alpha antibody (pSer1106)

2 Images

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Overview

Quantity:	100 µg
Target:	Topoisomerase II alpha (TOP2A)
Binding Specificity:	AA 1081-1130, pSer1106
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Topoisomerase II alpha antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA

Product Details

Immunogen:	The antiserum was produced against synthesized peptide derived from human TOP2A around the phosphorylation site of Ser1106.
Isotype:	IgG
Specificity:	TOP2A (Phospho-Ser1106) Antibody detects endogenous levels of TOP2A only when phosphorylated at Ser1106. PhosphorylationH:S1106>
Purification:	The antibody was purified from rabbit antiserum by affinity-chromatography using phospho peptide. The antibody against non-phospho peptide was removed by chromatography using corresponding non-phospho peptide.
Purity:	> 95 %

Target Details

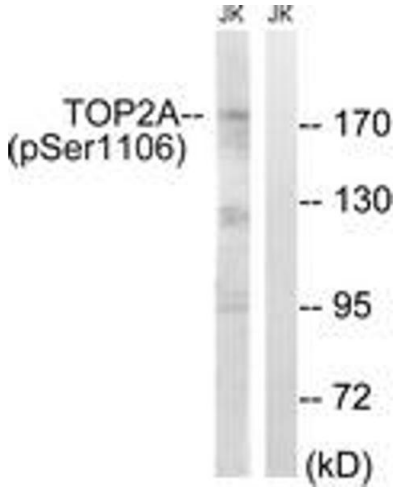
Target:	Topoisomerase II alpha (TOP2A)
Alternative Name:	TOP2A (TOP2A Products)
Background:	Synonyms: alpha isozyme, DNA topoisomerase II, DNA topoisomerase II-alpha, P11388-1, TOP-2, TOP2, TOP2A, TP2A NCBI Gene Symbol: TOP2A
Molecular Weight:	174 kDa
Gene ID:	7153
OMIM:	126430
UniProt:	P11388
Pathways:	Cell Division Cycle, Mitotic G1-G1/S Phases

Application Details

Application Notes:	WB: 1:500~1:1000 IHC: 1:50~1:100 ELISA: 1:1000
Comment:	Unigene-Number: Hs.156346 (NCBI Gene Symbol: TOP2A)
Restrictions:	For Research Use only

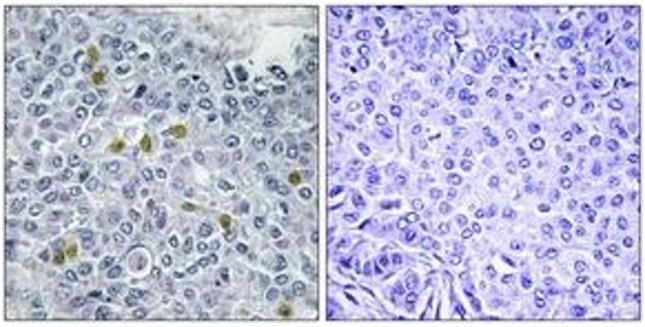
Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Stable at -20°C for at least 1 year.
Expiry Date:	12 months



Western Blotting

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



Immunohistochemistry

Image 2. Immunohistochemistry analysis of paraffin-embedded human breast carcinoma, using TOP2A (Phospho-Ser1106) Antibody. The picture on the right is treated with the synthesized peptide.

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