TOP2A Rabbit Polyclonal Antibody

Catalog No: #53065

Package Size: #53065-1 50ul #53065-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

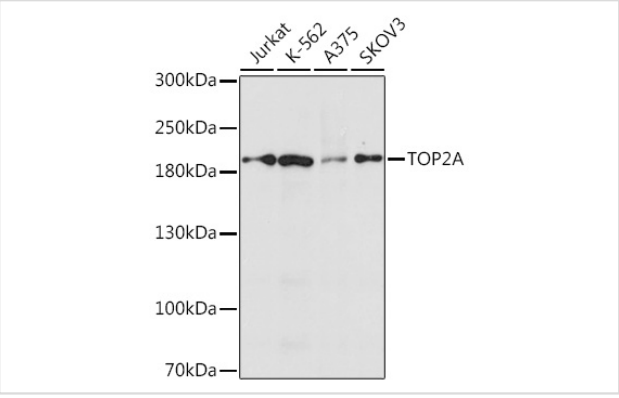
Description

Product Name	TOP2A Rabbit Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Affinity purification
Applications	WB,IHC,IF
Species Reactivity	Human
Immunogen Description	A synthetic peptide of human TOP2A
Other Names	TOP2A;TOP2;TP2A
Accession No.	Swiss Prot:P11388Gene ID:7153
Calculated MW	174kDa/177kDa/178kDa/182kDa
SDS-PAGE MW	200kDa
Formulation	Buffer: PBS with 0.02% sodium azide,pH7.3.
Storage	Store at -20°C. Avoid freeze / thaw cycles.

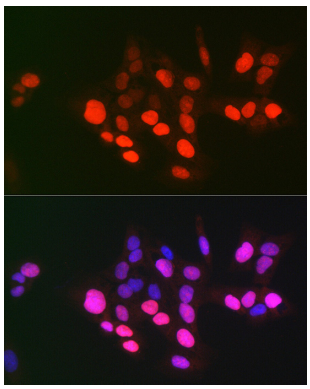
Application Details

WB□1:500 - 1:2000IHC□1:50 - 1:200IF□1:50 - 1:200

Images



Western blot analysis of extracts of various cell lines, using TOP2A antibody.



Immunofluorescence analysis of U-2 OS cells using TOP2A Rabbit pAb.

Background

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. The gene encoding this form, alpha, is localized to chromosome 17 and the beta gene is localized to chromosome 3. The gene encoding this enzyme functions as the target for several anticancer agents and a variety of mutations in this gene have been associated with the development of drug resistance. Reduced activity of this enzyme may also play a role in ataxia-telangiectasia.

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