

For Research Use Only

# TOP1 Polyclonal antibody

Catalog Number: 20705-1-AP **18 Publications**



## Basic Information

<b>Catalog Number:</b> 20705-1-AP	<b>GenBank Accession Number:</b> NM_003286	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 850 µg/ml	<b>GeneID (NCBI):</b> 7150	<b>Recommended Dilutions:</b> WB 1:1000-1:4000 IHC 1:500-1:2000 IF/ICC 1:300-1:1200
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P11387	
<b>Isotype:</b> IgG	<b>Full Name:</b> topoisomerase (DNA) I	
	<b>Calculated MW:</b> 91 kDa	
	<b>Observed MW:</b> 90 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, IF/ICC, ELISA	<b>Positive Controls:</b> WB : L02 cells, IHC : human stomach cancer tissue, human colon cancer tissue, human cervical cancer tissue, human ovary tumor tissue IF/ICC : HepG2 cells,
<b>Cited Applications:</b> WB, IHC, IF	
<b>Species Specificity:</b> human	
<b>Cited Species:</b> human, mouse	

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

## Background Information

TOP1 belongs to the eukaryotic type I topoisomerase family. The reaction catalyzed by topoisomerases leads to the conversion of one topological isomer of DNA to another. A chromosomal aberration involving TOP1 is found in a form of therapy-related myelodysplastic syndrome. The antibody is specific to TOP1.

## Notable Publications

Author	Pubmed ID	Journal	Application
Huijing Yin	31501431	Cell Death Dis	WB
Jiao Li	31758083	Sci Rep	WB
Jingjun Wu	26612655	Chem Biol Interact	WB

## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

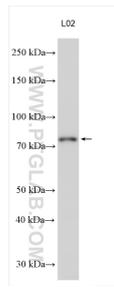
T: 4006900926

E: Proteintech-CN@ptglab.com

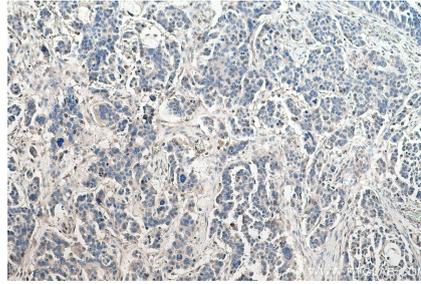
W: ptgcn.com

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

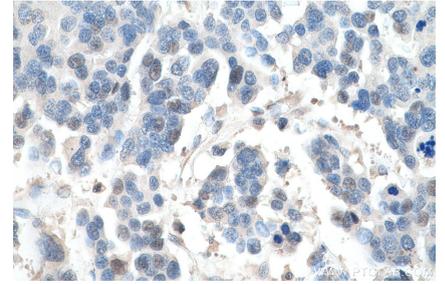
## Selected Validation Data



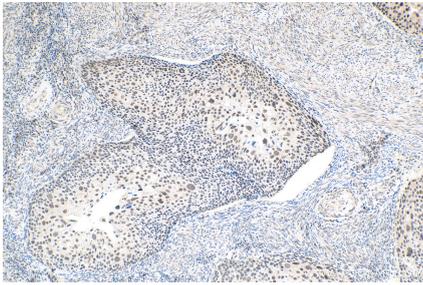
Various lysates were subjected to SDS PAGE followed by western blot with 20705-1-AP (TOP1 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



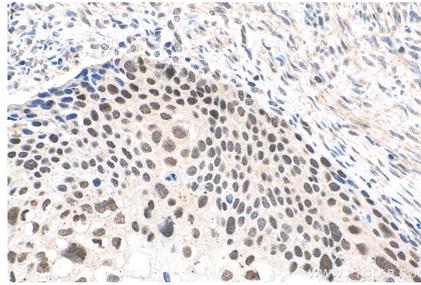
Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 20705-1-AP (TOP1 antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



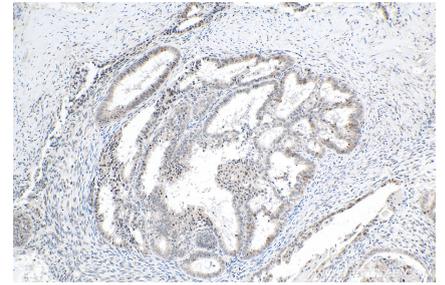
Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 20705-1-AP (TOP1 antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



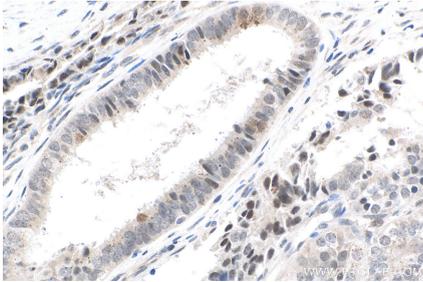
Immunohistochemical analysis of paraffin-embedded human cervical cancer tissue slide using 20705-1-AP (TOP1 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



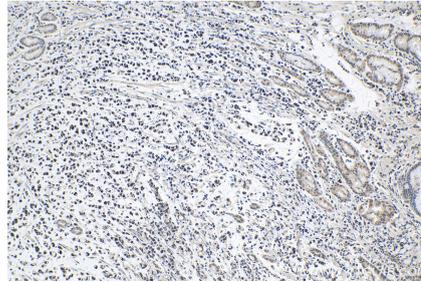
Immunohistochemical analysis of paraffin-embedded human cervical cancer tissue slide using 20705-1-AP (TOP1 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



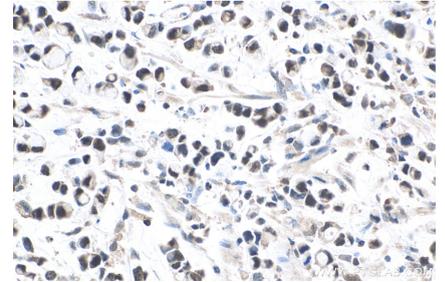
Immunohistochemical analysis of paraffin-embedded human ovary tumor tissue slide using 20705-1-AP (TOP1 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



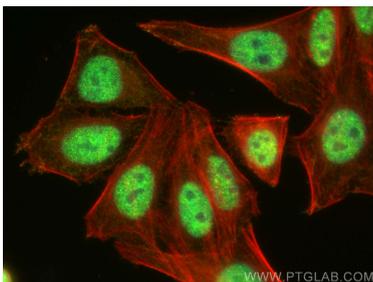
Immunohistochemical analysis of paraffin-embedded human ovary tumor tissue slide using 20705-1-AP (TOP1 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using 20705-1-AP (TOP1 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using 20705-1-AP (TOP1 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using TOP1 antibody (20705-1-AP) at dilution of 1:600 and Multi-rAb CoraLite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002), CL594-phalloidin (red).