

For Research Use Only

# TP53BP1-Specific Recombinant antibody

Catalog Number: 83809-1-RR



## Basic Information

<b>Catalog Number:</b> 83809-1-RR	<b>GenBank Accession Number:</b> NM_005657	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 7158	<b>CloneNo.:</b> 240638C6
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q12888	<b>Recommended Dilutions:</b> WB 1:5000-1:50000 IHC 1:200-1:800 IF/ICC 1:125-1:500
<b>Isotype:</b> IgG	<b>Full Name:</b> tumor protein p53 binding protein 1	
	<b>Calculated MW:</b> 214 kDa	
	<b>Observed MW:</b> 450 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, IF/ICC, FC (Intra), ELISA	<b>Positive Controls:</b> WB : HeLa cells, Jurkat cells, K-562 cells
<b>Species Specificity:</b> human	<b>IHC :</b> human ovary cancer tissue, <b>IF/ICC :</b> HeLa cells,
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## Background Information

TP53BP1, also named as p53BP1, p202, 53BP1 and FLJ41424, may have a role in checkpoint signaling during mitosis. TP53BP1 enhances TP53-mediated transcriptional activation. TP53BP1 plays a role in the response to DNA damage.

## Storage

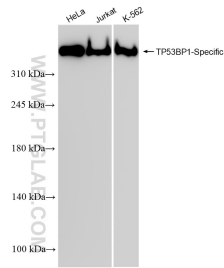
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

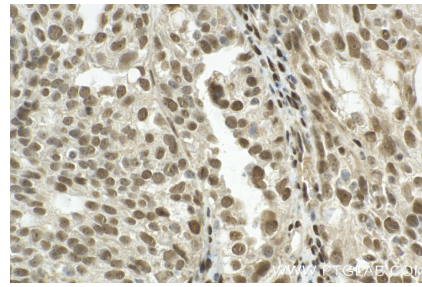
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

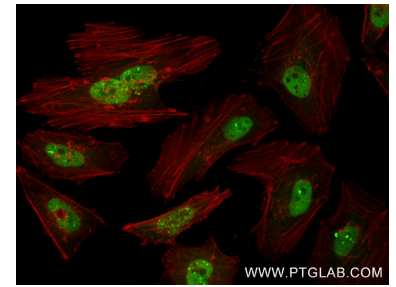
## Selected Validation Data



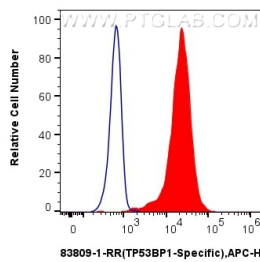
Various lysates were subjected to SDS PAGE followed by western blot with 83809-1-RR (TP53BP1-Specific antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human ovary cancer tissue slide using 83809-1-RR (TP53BP1-Specific antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using TP53BP1-Specific antibody (83809-1-RR, Clone: 240638C6) at dilution of 1:250 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).



$1 \times 10^6$  HeLa cells were intracellularly stained with 0.25 ug TP53BP1-Specific Recombinant antibody (83809-1-RR, Clone:240638C6) and APC-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (red), or 0.25 ug Isotype Control (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).