

For Research Use Only

# P53 Recombinant antibody, PBS Only



Catalog Number: 80077-1-PBS

Featured Product

## Basic Information

**Catalog Number:**

80077-1-PBS

**Size:**

100ug, Concentration: 1 mg/ml by Nanodrop;

**Source:**

Rabbit

**Isotype:**

IgG

**GenBank Accession Number:**

BC003596

**GeneID (NCBI):**

7157

**UNIPROT ID:**

P04637

**Full Name:**

tumor protein p53

**Calculated MW:**

44 kDa

**Observed MW:**

53 kDa

**Purification Method:**

Protein A purification

**CloneNo.:**

2H13

## Applications

**Tested Applications:**

WB, IF, FC, Indirect ELISA

**Species Specificity:**

Human, mouse, rat, zebrafish

## Background Information

TP53, also known as P53 and NY-CO-13, belongs to the p53 family and has 9 isoforms. In SDS-Page, the observed molecular weight is about 53 kDa. TP53 acts as a tumor suppressor in many tumor types, including growth arrest or apoptosis depending on the physiological circumstances and cell types. It is involved in cell cycle regulation as a trans-activator that acts to negatively regulate cell division by controlling a set of genes required for this process. TP53 Localizes in the nucleus in most cells but found in the cytoplasm in some cells. (PMID: 26166714; PMID: 25225161)

## Storage

**Storage:**

Store at -80°C.

**Storage Buffer:**

PBS Only

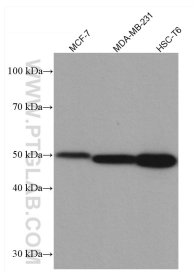
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

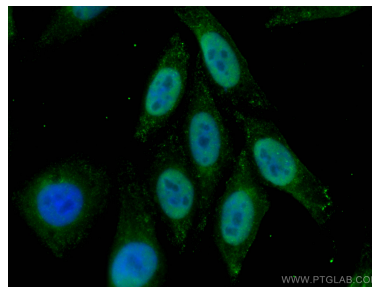
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

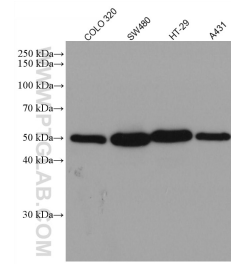
## Selected Validation Data



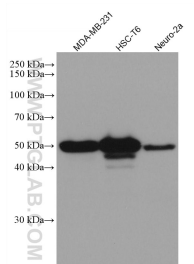
Various lysates were subjected to SDS PAGE followed by western blot with 80077-1-RR (P53 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 80077-1-PBS in a different storage buffer formulation.



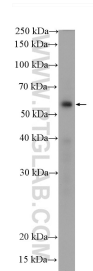
Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using P53 antibody (80077-1-RR, Clone: 2H13) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L). This data was developed using the same antibody clone with 80077-1-PBS in a different storage buffer formulation.



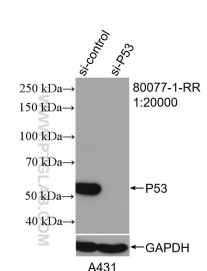
Various lysates were subjected to SDS PAGE followed by western blot with 80077-1-RR (P53 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 80077-1-PBS in a different storage buffer formulation.



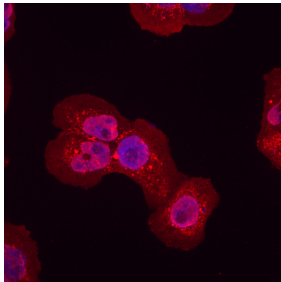
Various lysates were subjected to SDS PAGE followed by western blot with 80077-1-RR (P53 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 80077-1-PBS in a different storage buffer formulation.



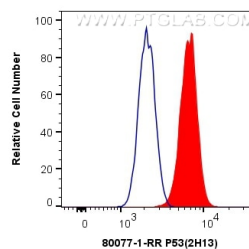
zebrafish tissue were subjected to SDS PAGE followed by western blot with 80077-1-RR (P53 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 80077-1-PBS in a different storage buffer formulation.



WB result of P53 antibody (80077-1-RR; 1:20000; incubated at room temperature for 1.5 hours) with sh-Control and sh-P53 transfected A431 cells. This data was developed using the same antibody clone with 80077-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed A431 cells using P53 antibody (80077-1-RR, Clone: 2H13) at dilution of 1:500 and Multi-rAb CoraLite® Plus 594-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR004). This data was developed using the same antibody clone with 80077-1-PBS in a different storage buffer formulation.



1X10<sup>6</sup> HepG2 cells were intracellularly stained with 0.5 ug Anti-Human P53 (80077-1-RR, Clone:2H13) (red) labeled with FlexAble CoraLite®488 Antibody Labeling Kit for Rabbit IgG (KFA001), or 0.5 ug Control Antibody. Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011). This data was developed using the same antibody clone with 80077-1-PBS in a different storage buffer formulation.