

## P53 Polyclonal Antibody

Catalog number: 10442-1-AP

Size: 43 µg/150 µl

Source: Rabbit

Isotype: IgG

Synonyms:

TP53; Antigen NY CO 13,

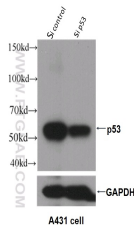
Cellular tumor antigen p53,

FLJ92943, LFS1, P53,

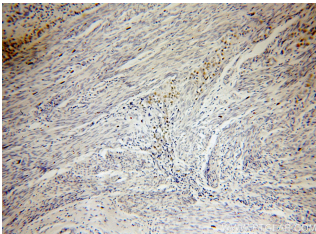
Phosphoprotein p53, TP53,

TRP53, tumor protein p53,

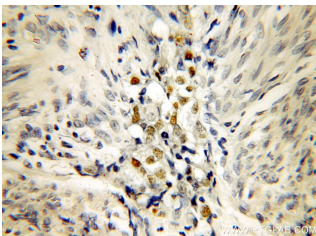
Tumor suppressor p53



WB result of P53 antibody (10442-1-AP, 1:2000) with si-p53 and si-Control transfected A431 cells.



Immunohistochemical of paraffin-embedded human endometrial cancer using 10442-1-AP (P53 antibody) at dilution of 1:100 (under 10x lens)



Immunohistochemical of paraffin-embedded human endometrial cancer using 10442-1-AP (P53 antibody) at dilution of 1:100 (under 40x lens)

### Background

TP53, also named as P53 and NY-CO-13, belongs to the p53 family. It has 9 isoforms. In SDS-Page, the MW is about 53kd. TP53 acts as a tumor suppressor in many tumor types; induces growth arrest or apoptosis depending on the physiological circumstances and cell type. 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. The antibody reacts specifically with 53 kDa protein.

### Applications

Tested applications:	ELISA, IHC, IP, WB, IF
Cited applications:	IF, IHC, WB
Species specificity:	Human, Rat, Mouse; other species not tested.
Cited species:	Human, mouse, rat
Calculated P53 MW:	44 kDa
Observed P53 MW:	53 kDa
Positive WB detected in	MCF-7 cells, A431 cells, MCF7 cells, mouse colon tissue, rat colon tissue
Positive IP detected in	A431 cells
Positive IHC detected in	Human endometrial cancer tissue, human kidney tissue, human lung cancer tissue, human lung tissue, human ovary tumor tissue, human placenta tissue, human skin tissue, human testis tissue
Positive IF detected in	HepG2 cells
Recommended dilution:	WB: 1:500-1:5000 IP: 1:500-1:5000 IHC: 1:20-1:200 IF: 1:20-1:200

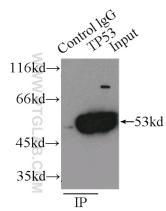
Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

### Immunogen information

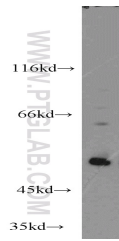
Immunogen:	Ag0698
GenBank accession number:	BC003596
Gene ID (NCBI):	7157
Full name:	Tumor protein p53

### Product information

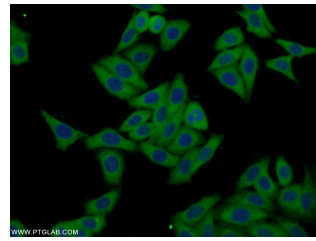
Purification method:	Antigen affinity purification
Storage:	PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.



**IP Result of anti-P53**  
**(IP:10442-1-AP, 4ug;**  
**Detection:10442-1-AP 1:1000)**  
**with A431 cells lysate 3000ug.**



**MCF7 cells were subjected to**  
**SDS PAGE followed by**  
**western blot with 10442-1-**  
**AP(P53 antibody) at dilution**  
**of 1:1000**



**Immunofluorescent analysis**  
**of HepG2 cells using 10442-1-**  
**AP ( P53 Antibody) at dilution**  
**of 1:50 and Alexa Fluor 488-**  
**conjugated AffiniPure Goat**  
**Anti-Rabbit IgG(H+L)**