

À des fins de recherche uniquement

# Anticorps Polyclonal de lapin anti-P53



Numéro de catalogue: 21891-1-AP

Phare

34 Publications

## Informations de base

Numéro de catalogue:

21891-1-AP

Taille:

150ul, Concentration: 567 µg/ml by Bradford method using BSA as the standard;

Hôte:

Lapin

Isotype:

IgG

Immunogen Catalog Number:

AG16596

Numéro d'acquisition GenBank:

BC003596

Identification du gène (NCBI):

7157

Nom complet:

tumor protein p53

MW calculé

393 aa, 44 kDa

MW observés:

53 kDa

Méthode de purification:

Purification par affinité contre l'antigène

Dilutions recommandées:

WB 1:500-1:2000

IP 0.5-4.0 ug for IP and 1:500-1:2000 for WB

IHC 1:50-1:500

IF 1:20-1:200

## Applications

Applications testées:

IF, IHC, IP, WB, ELISA

Demandes citées:

CoIP, IF, IHC, IP, WB

Spécificité de l'espèce:

Humain, rat

Espèces citées:

Humain, rat, souris

**Remarque-IHC: il est suggéré de démasquer l'antigène avec un tampon de TE buffer pH 9,0; (\*) A défaut, 'le démasquage de l'antigène peut être 'effectué avec un tampon citrate pH 6,0.**

Contrôles positifs:

WB : cellules A431, cellules HEK-293

IP : cellules A431,

IHC : tissu de cancer de la prostate humain, tissu de cancer de l'endomètre humain, tissu de gliome humain, tissu de tumeur ovarienne humain

IF : cellules HepG2,

## Informations générales

TP53, also named as P53 and NY-CO-13, belongs to the p53 family that functions as a central mediator for organizing cell responses to various stress and anticancer drugs with apoptosis, G1- phase arrest, and DNA repair. [PMID: 20346922]. In addition, TP53 appears to induce apoptosis through nontranscriptional cytoplasmic processes. In unstressed cells, TP53 is kept inactive essentially through the actions of the ubiquitin ligase MDM2, which inhibits TP53 transcriptional activity and ubiquitinates TP53 to promote its degradation [PMID: 22330136]. TP53 acts as a tumor suppressor in many tumor types and 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. TP53 Localizes in the nucleus in most cells but found in the cytoplasm in some cells. (PMID: 26166714; PMID: 25225161)

## Publications notables

Autrice	Pubmed ID	Journal	Application
Xuxiu Tao	36156329	Cancer Sci	WB, IHC
Yuan Yin	34562520	Cancer Lett	WB, IHC, CoIP
Kazuki Morita	36196449	Regen Ther	WB

## Stockage

Stockage:

Stocker à -20°C. Stable pendant un an après l'expédition.

Tampon de stockage:

PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3

L'aliquotage n'est pas nécessaire pour le stockage à -20C

\*\*\* Les 20ul contiennent 0,1% de BSA.

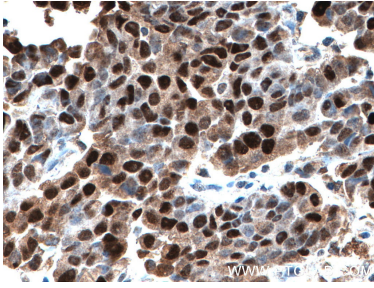
For technical support and original validation data for this product please contact:

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

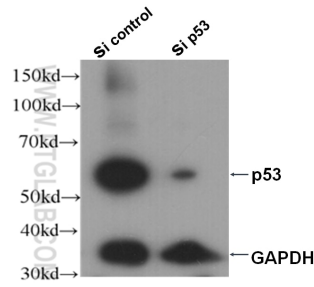
E: proteintech@ptglab.com  
W: ptglab.com

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

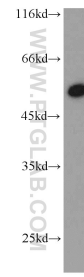
## Données de validation sélectionnées



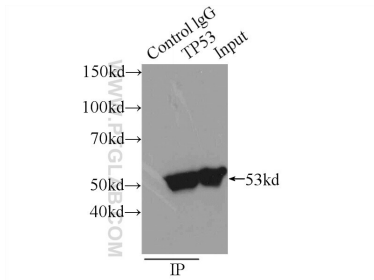
Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue slide using 21891-1-AP (TP53 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



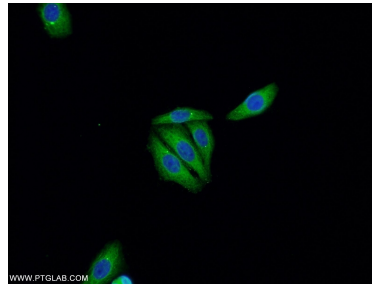
WB result of p53 antibody (21891-1-AP, 1:1000) with sh-control and sh-p53 transfected A431 cells.



A431 cells were subjected to SDS PAGE followed by western blot with 21891-1-AP (TP53 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



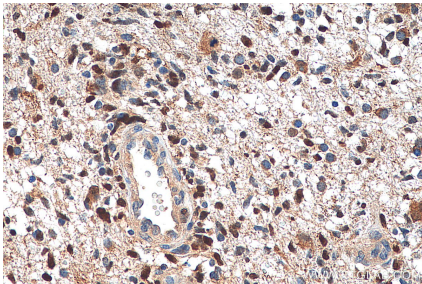
IP Result of anti-TP53 (IP:21891-1-AP, 3ug; Detection:21891-1-AP 1:1000) with A431 cells lysate 1650ug.



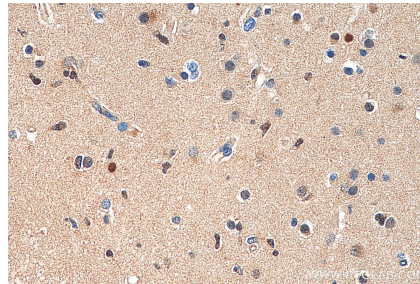
Immunofluorescent analysis of HepG2 cells using 21891-1-AP (TP53 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunohistochemical analysis of paraffin-embedded human gliomas tissue slide using 21891-1-AP (P53 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 gliomas tissue slide using 21891-1-AP (P53 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 gliomas tissue slide using 21891-1-AP (P53 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).