

Nur für Forschungszwecke

# P53 Polyklonaler Antikörper

Katalog-Nr.: 21891-1-AP

Vorgestelltes Produkt

31 Publikationen



## Allgemeine Informationen

<b>Katalog-Nr.:</b> 21891-1-AP	<b>GenBank-Zugangsnummer:</b> BC003596	<b>Reinigungsmethode:</b> Antigen-Affinitätsreinigung
<b>Größe:</b> 150ul, Konzentration: 567 µg/ml durch die Bradford-Methode mit BSA als Standard;	<b>GeneID (NCBI):</b> 7157	<b>Empfohlene Verdünnungen:</b> WB 1:500-1:2000 IP 0.5-4.0 µg für IP und 1:500-1:2000 für WB
<b>Wirt:</b> Kaninchen	<b>Vollständiger Name:</b> tumor protein p53	<b>IHC 1:50-1:500</b> <b>IF 1:20-1:200</b>
<b>Isotyp:</b> IgG	<b>Berechnete Masse:</b> 393 aa, 44 kDa	
<b>Immunogen Katalognummer:</b> AG16596	<b>Beobachtete Masse:</b> 53 kDa	

## Anwendungen

<b>Geprüfte Anwendungen:</b> IF, IHC, IP, WB, ELISA	<b>Positivkontrollen:</b> WB : A431-Zellen, HEK-293-Zellen
<b>In Publikationen genannte Anwendungen:</b> CoIP, IF, IHC, IP, WB	<b>IP :</b> A431-Zellen,
<b>Getestete Reaktivität:</b> Human, Ratte	<b>IHC :</b> humanes Prostatakarzinomgewebe, humanes Endometriumkarzinomgewebe, humanes Gliomgewebe, humanes Ovarialkarzinomgewebe
<b>Zitierte Arten:</b> Human, Maus, Ratte	<b>IF :</b> HepG2-Zellen,

**Hinweis-IHC: Antigenmaskierung mit TE-Puffer pH 9,0 empfohlen. (\*) Wahlweise kann die Antigenmaskierung auch mit Citratpuffer pH 6,0 erfolgen.**

## Hintergrundinformationen

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)

## Bemerkenswerte Veröffentlichungen

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

## Lagerung

**Lagerungsbedingungen:**  
Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil

**Lagerungspuffer:**  
PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.

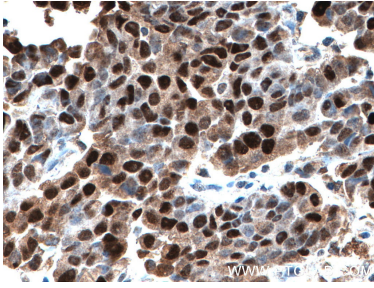
Aliquotieren ist nicht notwendig bei -20°C Lagerung

\*\*\* 20ul-Größen enthalten 0.1% BSA

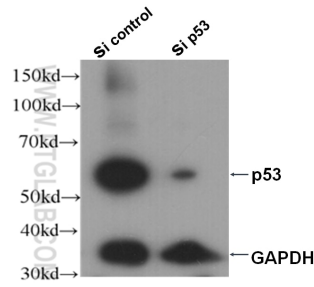
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

## Ausgewählte Validierungsdaten



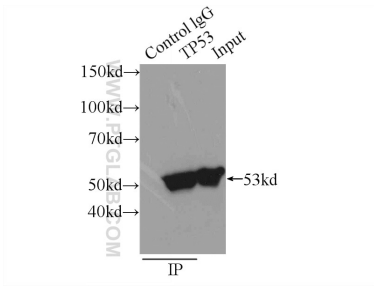
Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue slide using 21891-1-AP (TP53 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



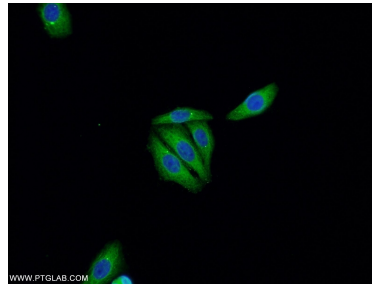
WB result of p53 antibody (21891-1-AP, 1:1000) with sh-control and sh-p53 transfected A431 cells.



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.



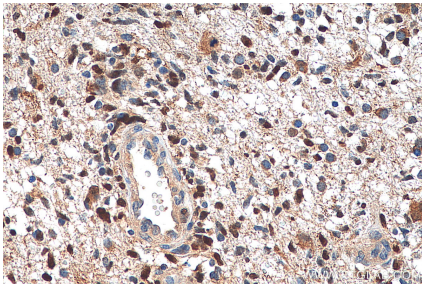
IP Result of anti-TP53 (IP:21891-1-AP, 3ug; Detection:21891-1-AP 1:1000) with A431 cells lysate 1650ug.



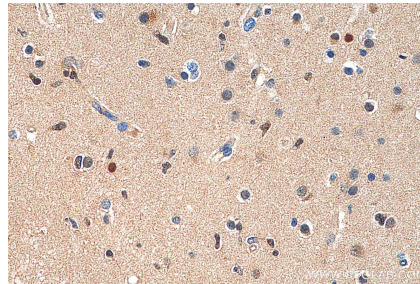
Immunofluorescent analysis of HepG2 cells using 21891-1-AP (TP53 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



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).