

Nur für Forschungszwecke

# USP1 Polyklonaler Antikörper

Katalog-Nr.:14346-1-AP

Vorgestelltes Produkt

23 Publikationen



## Allgemeine Informationen

Katalog-Nr.:  
14346-1-AP

Größe:  
150ul, Konzentration: 300 µg/ml von  
Nanodrop und 253 µg/ml durch die  
Bradford-Methode mit BSA als  
Standard;

Wirt:  
Kaninchen

Isotyp:  
IgG

Immunogen Katalognummer:  
AG5686

GenBank-Zugangsnummer:  
BC050525

GeneID (NCBI):  
7398

Vollständiger Name:  
ubiquitin specific peptidase 1

Berechnete Masse:  
88 kDa

Beobachtete Masse:  
110 kDa, 100 kDa

Reinigungsmethode:

Antigen-Affinitätsreinigung

Empfohlene Verdünnungen:

WB 1:500-1:1000

IP 0.5-4.0 µg für IP und 1:200-1:1000  
für WB

IHC 1:50-1:500

## Anwendungen

Geprüfte Anwendungen:

IHC, IP, WB, ELISA

In Publikationen genannte Anwendungen:

CoIP, IF, IHC, IP, WB

Getestete Reaktivität:

Human

Zitierte Arten:

Human, Maus, Ratte

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

Positivkontrollen:

WB: HEK-293-Zellen, HeLa-Zellen, HepG2-Zellen

IP: HEK-293-Zellen,

IHC: humanes Leberkarzinomgewebe, humanes  
Zervixkarzinomgewebe

## Hintergrundinformationen

USP1(Ubiquitin carboxyl-terminal hydrolase 1) is a negative regulator of DNA damage repair which specifically deubiquitinates monoubiquitinated FANCD2. It is also involved in PCNA-mediated translesion synthesis (TLS) by deubiquitinating monoubiquitinated PCNA. This protein, which consists of 785 amino acids with a deduced molecular mass of 88.2 kDa, possesses His and Cys domains that are highly conserved in all members of the ubiquitin-specific processing (UBP) family of proteases (PMID: 9806842). The USP1 enzyme can undergo autocleavage, resulting in a 100 kDa N-terminal fragment and a 14 kDa C-terminal fragment (PMID: 18082604).

## Bemerkenswerte Veröffentlichungen

| Verfasser      | Pubmed ID | Journal      | Anwendung |
|----------------|-----------|--------------|-----------|
| Yuan Cheng Li  | 33102219  | Front Oncol  | IHC       |
| Yalei Zhao     | 32951278  | Cell Prolif  | WB, CoIP  |
| Chunying Zheng | 36257352  | Exp Cell Res | 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

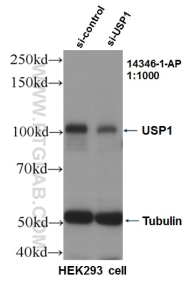
For technical support and original validation data for this product please contact:

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

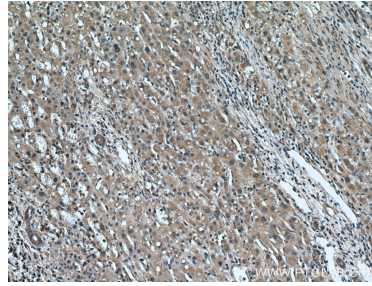
E: proteintech@ptglab.com  
W: ptglab.com

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

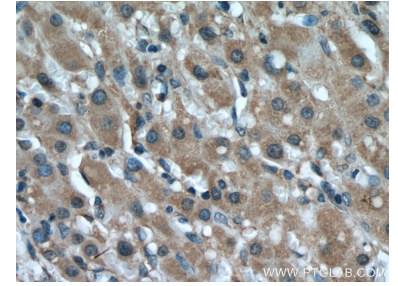
## Ausgewählte Validierungsdaten



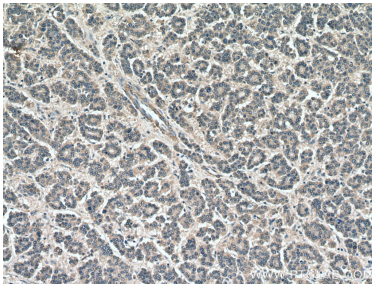
WB result of USP1 antibody (14346-1-AP, 1:1000) with si-Control and si-USP1 transfected HEK293 cells.



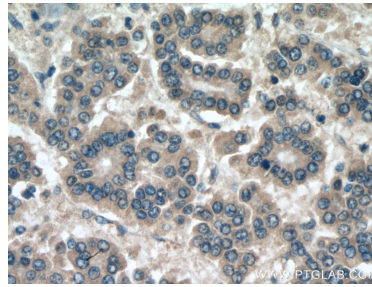
Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 14346-1-AP (USP1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



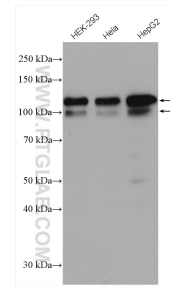
Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 14346-1-AP (USP1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



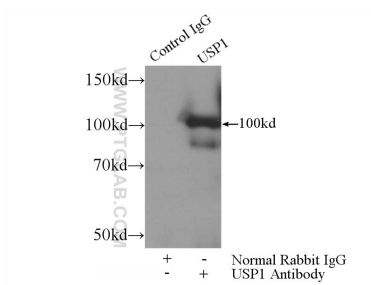
Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 14346-1-AP (USP1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 14346-1-AP (USP1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Various lysates were subjected to SDS PAGE followed by western blot with 14346-1-AP (USP1 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



IP Result of anti-USP1 (IP:14346-1-AP, 3ug; Detection:14346-1-AP 1:300) with HEK-293 cells lysate 3200ug.