

À des fins de recherche uniquement

# Anticorps Polyclonal de lapin anti-USP1



Numéro de catalogue: 14346-1-AP

Phare

25 Publications

## Informations de base

Numéro de catalogue:  
14346-1-AP

Taille:  
150ul, Concentration: 300 µg/ml by Nanodrop and 253 µg/ml by Bradford method using BSA as the standard;

Hôte:  
Lapin

Isotype:  
IgG

Immunogen Catalog Number:  
AG5686

Numéro d'acquisition GenBank:  
BC050525

Identification du gène (NCBI):  
7398

Nom complet:  
ubiquitin specific peptidase 1

MW calculé  
88 kDa

MW observés:  
110 kDa, 100 kDa

Méthode de purification:  
Purification par affinité contre l'antigène

Dilutions recommandées:  
WB 1:500-1:1000  
IP 0.5-4.0 ug for IP and 1:200-1:1000 for WB  
IHC 1:50-1:500

## Applications

Applications testées:  
IHC, IP, WB, ELISA

Demandes citées:  
CoIP, IF, IHC, IP, WB

Spécificité de l'espèce:  
Humain

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 HEK-293, cellules HeLa, cellules HepG2

IP : cellules HEK-293,

IHC : tissu de cancer du foie humain, tissu de cancer du col de l'utérus humain

## Informations générales

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).

## Publications notables

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

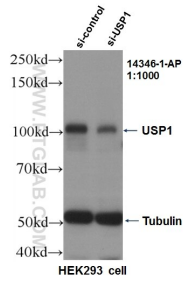
For technical support and original validation data for this product please contact:

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

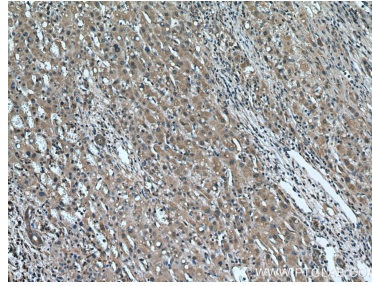
E: proteintech@ptglab.com  
W: ptglab.com

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

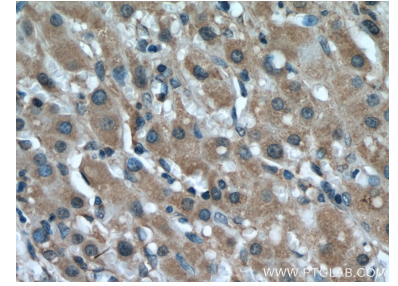
## Données de validation sélectionnées



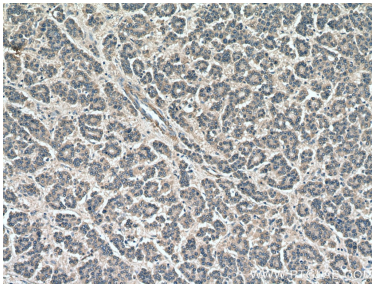
WB result of USP1 antibody (14346-1-AP, 1:1000) with si-Control and si-USP1 transfected HEK293 cells.



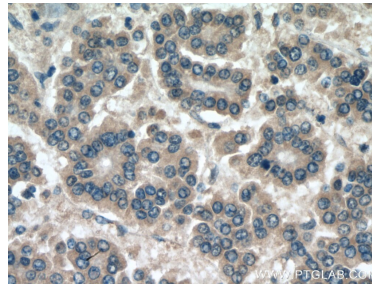
Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 14346-1-AP (USP1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



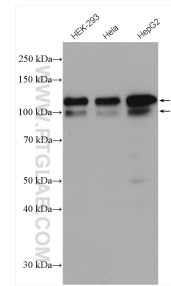
Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 14346-1-AP (USP1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



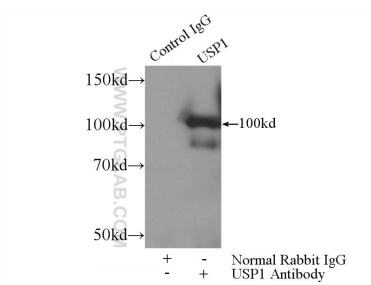
Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 14346-1-AP (USP1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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.