

For Research Use Only

# USP1 Polyclonal antibody

Catalog Number: 14346-1-AP

Featured Product

26 Publications



## Basic Information

**Catalog Number:**

14346-1-AP

**Size:**

150ul, Concentration: 300 µg/ml by Nanodrop;

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG5686

**GenBank Accession Number:**

BC050525

**GeneID (NCBI):**

7398

**UNIPROT ID:**

O94782

**Full Name:**

ubiquitin specific peptidase 1

**Calculated MW:**

88 kDa

**Observed MW:**

110 kDa, 100 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:500-1:1000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

## Applications

**Tested Applications:**

WB, IP, ELISA

**Cited Applications:**

WB, IP, IF, IHC, CoIP

**Species Specificity:**

human

**Cited Species:**

human, rat, mouse

**Positive Controls:**

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

IP : HEK-293 cells,

## Background Information

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).

## Notable Publications

Author	Pubmed ID	Journal	Application
Yuancheng Li	33102219	Front Oncol	IHC
Yalei Zhao	32951278	Cell Prolif	WB,CoIP
Chunying Zheng	36257352	Exp Cell Res	WB

## Storage

**Storage:**

Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

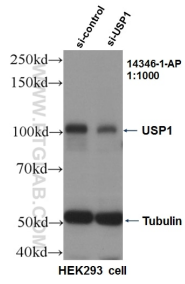
For technical support and original validation data for this product please contact:

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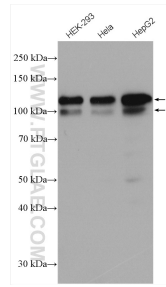
E: proteintech@ptglab.com  
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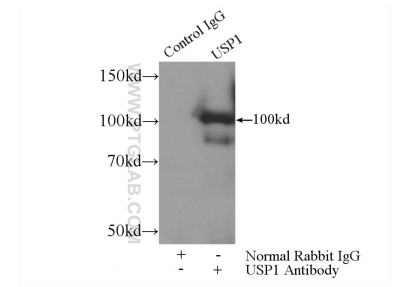
## Selected Validation Data



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



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.