

## USP1 Polyclonal Antibody

Catalog number: 14346-1-AP

Size: 38 µg/150 µl

Source: Rabbit

Isotype: IgG

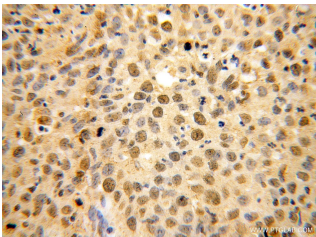
Synonyms:

USP1; Deubiquitinating enzyme

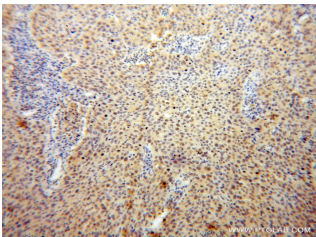
1, hUBP, ubiquitin specific

peptidase 1, Ubiquitin

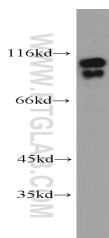
thiolesterase 1, UBP, USP1



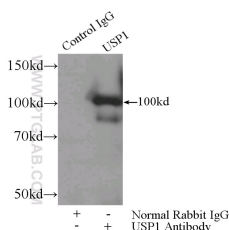
Immunohistochemical of paraffin-embedded human cervical cancer using 14346-1-AP (USP1 antibody) at dilution of 1:100 (under 40x lens)



Immunohistochemical of paraffin-embedded human cervical cancer using 14346-1-AP (USP1 antibody) at dilution of 1:100 (under 10x lens)



HEK-293 cells were subjected to SDS PAGE followed by western blot with 14346-1-AP (USP1 antibody) at dilution of 1:300



IP Result of anti-USP1

### Background

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).

### Applications

Tested applications:	ELISA, WB, IHC, IP
Cited applications:	WB
Species specificity:	Human, Mouse, Rat; other species not tested.
Cited species:	Human
Calculated USP1 MW:	88 kDa
Observed USP1 MW:	110kd, 100kd
Positive WB detected in:	HEK-293 cells, HeLa cells
Positive IP detected in:	HEK-293 cells
Positive IHC detected in:	Human cervical cancer tissue
Recommended dilution:	WB: 1:200-1:2000 IP: 1:200-1:1000 IHC: 1:20-1:200

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

### Immunogen information

Immunogen:	Ag5686
GenBank accession number:	BC050525
Gene ID (NCBI):	7398
Full name:	Ubiquitin specific peptidase 1

### Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3. Store at -20°C.

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