

**USP1 Antibody (C-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP16884b**

**Specification**

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**USP1 Antibody (C-term) - Product Information**

Application	WB,E
Primary Accession	<a href="#">O94782</a>
Other Accession	<a href="#">O8BJO2</a> , <a href="#">Q29RP1</a> , <a href="#">NP_001017416.1</a> , <a href="#">NP_001017415.1</a>
Reactivity	Human
Predicted	Bovine, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	88207
Antigen Region	662-690

**USP1 Antibody (C-term) - Additional Information**

**Gene ID** 7398

**Other Names**

Ubiquitin carboxyl-terminal hydrolase 1, Deubiquitinating enzyme 1, hUBP, Ubiquitin thioesterase 1, Ubiquitin-specific-processing protease 1, USP1

**Target/Specificity**

This USP1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 662-690 amino acids from the C-terminal region of human USP1.

**Dilution**

WB~~1:1000

E~~Use at an assay dependent concentration.

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

USP1 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**USP1 Antibody (C-term) - Protein Information**

**Name** USP1

**Function** Negative regulator of DNA damage repair which specifically deubiquitinates monoubiquitinated FANCD2 (PubMed:[15694335](#)). Also involved in PCNA-mediated translesion synthesis (TLS) by deubiquitinating monoubiquitinated PCNA (PubMed:[16531995](#), PubMed:[20147293](#)). Has almost no deubiquitinating activity by itself and requires the interaction with WDR48 to have a high activity (PubMed:[18082604](#), PubMed:[26388029](#)).

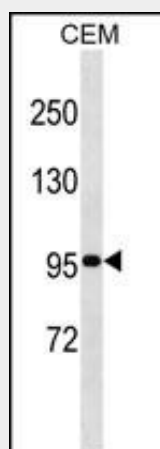
**Cellular Location**

Nucleus.

**USP1 Antibody (C-term) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**USP1 Antibody (C-term) - Images**

USP1 Antibody (C-term) (Cat. #AP16884b) western blot analysis in CEM cell line lysates (35ug/lane). This demonstrates the USP1 antibody detected the USP1 protein (arrow).

**USP1 Antibody (C-term) - Background**

This gene encodes a member of the ubiquitin-specific processing (UBP) family of proteases that is a deubiquitinating enzyme (DUB) with His and Cys domains. This protein is located in the cytoplasm and cleaves the ubiquitin moiety from ubiquitin-fused precursors and ubiquitylated proteins. The protein specifically deubiquitinates a protein in the Fanconi anemia (FA) DNA repair pathway. Alternate transcriptional splice variants have been characterized.

**USP1 Antibody (C-term) - References**

Barroso, E., et al. Breast Cancer Res. Treat. 118(3):655-660(2009)  
McWilliams, R.R., et al. Cancer Epidemiol. Biomarkers Prev. 18(9):2549-2552(2009)  
Cohn, M.A., et al. J. Biol. Chem. 284(8):5343-5351(2009)  
Cohn, M.A., et al. Mol. Cell 28(5):786-797(2007)  
Sugiyama, N., et al. Mol. Cell Proteomics 6(6):1103-1109(2007)