

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

Specification

USP1 Antibody (C-term) - Product Information

Application	WB,E
Primary Accession	O94782
Other Accession	O8BJO2 , Q29RP1 , NP_001017416.1 , NP_001017415.1
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

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

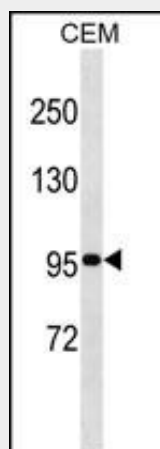
Nucleus.

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)