

USP1 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP16884b**Specification**

USP1 Antibody (C-term) Blocking Peptide - Product InformationPrimary Accession [O94782](#)**USP1 Antibody (C-term) Blocking Peptide - 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

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

USP1 Antibody (C-term) Blocking Peptide - Protein Information**Name** USP1**Function**

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

Cellular Location

Nucleus.

USP1 Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

USP1 Antibody (C-term) Blocking Peptide - Images

USP1 Antibody (C-term) Blocking Peptide - 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 ubiquitinated 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) Blocking Peptide - 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)