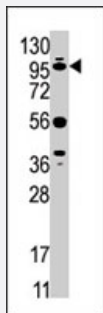


# USP1 polyclonal antibody

Catalog # PAB3912

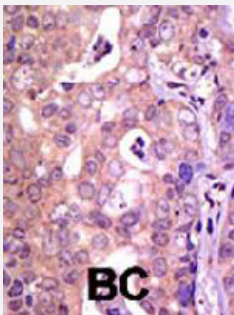
Size 400 uL

## Applications



### Western Blot (Cell lysate)

Western blot analysis of USP1 polyclonal antibody (Cat # PAB3912) in HepG2 cell line lysate (35 ug/lane). USP1 (arrow) was detected using the purified polyclonal antibody (1:1000 dilution).



### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Formalin-fixed and paraffin-embedded human cancer tissue reacted with USP1 polyclonal antibody (Cat # PAB3912), which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma.

## Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of USP1.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to C-terminus of human USP1.
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Protein G purification

<b>Recommend Usage</b>	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:50-100) Western Blot (1:1000) The optimal working dilution should be determined by the end user.
<b>Storage Buffer</b>	In PBS (0.09% sodium azide)
<b>Storage Instruction</b>	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
<b>Note</b>	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

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## Gene Info — USP1

<b>Entrez GeneID</b>	<a href="#">7398</a>
<b>Protein Accession#</b>	<a href="#">NP_003359;O94782</a>
<b>Gene Name</b>	USP1
<b>Gene Alias</b>	UBP
<b>Gene Description</b>	ubiquitin specific peptidase 1
<b>Omim ID</b>	<a href="#">603478</a>
<b>Gene Ontology</b>	<a href="#">Hyperlink</a>
<b>Gene Summary</b>	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. [provided by RefSeq]

**Other Designations**

OTTHUMP00000010530|deubiquitinating enzyme 1|ubiquitin carboxyl terminal hydrolase 1|ubiquitin specific processing protease 1|ubiquitin specific protease 1|ubiquitin thiolesterase 1

**Publication Reference**

- [Human and mouse proteases: a comparative genomic approach.](#)

Puente XS, Sanchez LM, Overall CM, Lopez-Otin C.

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- [Identification and chromosomal assignment of USP1, a novel gene encoding a human ubiquitin-specific protease.](#)

Fujiwara T, Saito A, Suzuki M, Shinomiya H, Suzuki T, Takahashi E, Tanigami A, Ichiyama A, Chung CH, Nakamura Y, Tanaka K.

Genomics 1998 Nov; 54(1):155.

- [Deubiquitinating enzymes: a new class of biological regulators.](#)

D'Andrea A, Pellman D.

Critical Reviews in Biochemistry and Molecular Biology 1998 Jan; 33(5):337.

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