

**DATASHEET**

**USP1 Rabbit Polyclonal Antibody**

CAT. NO. APA10528

**KEY FEATURES**

|               |   |               |                    |
|---------------|---|---------------|--------------------|
| Target        | USP1  | Source / Host | Rabbit             |
| Reactivity    | Human, Mouse, Rat   | Clonality     | Polyclonal         |
| Applications  | WB  | Conjugation   | Unconjugated       |
| Form / Buffer | Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide. |               | Storage<br>at-20°C |

**BACKGROUND**

Negative regulator of DNA damage repair which specifically deubiquitinates monoubiquitinated FANCD2 . Also involved in PCNA-mediated translesion synthesis (TLS) by deubiquitinating monoubiquitinated PCNA . Has almost no deubiquitinating activity by itself and requires the interaction with WDR48 to have a high activity .

**APPLICATION**

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

|    |                |
|----|----------------|
| WB | 1:500 - 1:2000 |
|----|----------------|

\*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

**PRODUCT OVERVIEW**

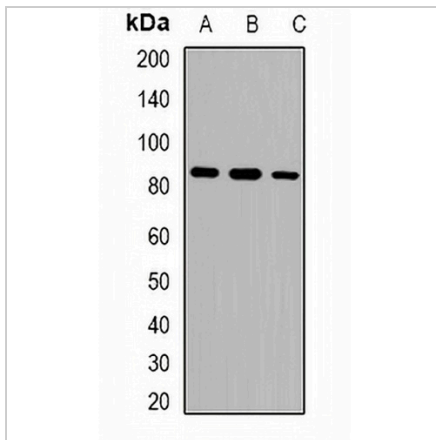
|                   |  |
|-------------------|--|
| Description       | Rabbit polyclonal antibody to USP1   |
| Specificity       | Recognizes endogenous levels of USP1 protein.  |
| Antibody Type     | Primary antibody   |
| Immunogen         | KLH-conjugated synthetic peptide encompassing a sequence within the center region of human USP1. The exact sequence is proprietary.          |
| Purification      | The antibody was purified by immunogen affinity chromatography.  |
| Molecular Weight  | Predicted: 88 kD; Observed: 88 kD  |
| Form/Buffer       | Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.                                    |
| Alternative Names | Ubiquitin carboxyl-terminal hydrolase 1; Deubiquitinating enzyme 1; hUBP; Ubiquitin thioesterase 1; Ubiquitin-specific-processing protease 1 |
| Gene Symbol       | USP1   |
| Entrez Gene       | 7398(Human); 230484(Mouse); 313387(Rat)  |
| SwissProt         | O94782(Human); Q8BJQ2(Mouse); Q569C3(Rat)  |

\*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact [info@arexbio.com](mailto:info@arexbio.com) or your local distributor.

\*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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**DATA**

Western blot analysis of USP1 expression in HEK293T (A), NIH3T3 (B), H9C2 (C) whole cell lysates. (Predicted band size: 88 kD; Observed band size: 88 kD)

**STORAGE**

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

**NOTE**

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.