

Datasheet for ABIN7174303  
**anti-USP28 antibody (AA 430-580)**[Go to Product page](#)

## 2 Images

## Overview

|                      |  |
|----------------------|--|
| Quantity:            | 100 µL   |
| Target:              | USP28  |
| Binding Specificity: | AA 430-580   |
| Reactivity:          | Human  |
| Host:                | Rabbit   |
| Clonality:           | Polyclonal   |
| Conjugate:           | This USP28 antibody is un-conjugated                     |
| Application:         | ELISA, Western Blotting (WB), Immunohistochemistry (IHC) |

## Product Details

|                   |  |
|-------------------|--|
| Immunogen:        | Recombinant Human Ubiquitin carboxyl-terminal hydrolase 28 protein (430-580AA) |
| Isotype:          | IgG  |
| Cross-Reactivity: | Human  |
| Purification:     | Antigen Affinity Purified  |

## Target Details

|                   |   |
|-------------------|---|
| Target:           | USP28   |
| Alternative Name: | USP28 ( <a href="#">USP28 Products</a> )  |
| Background:       | Background: Deubiquitinase involved in DNA damage response checkpoint and MYC proto-oncogene stability. Involved in DNA damage induced apoptosis by specifically deubiquitinating |

## Target Details

proteins of the DNA damage pathway such as CLSPN. Also involved in G2 DNA damage checkpoint, by deubiquitinating CLSPN, and preventing its degradation by the anaphase promoting complex/cyclosome (APC/C). In contrast, it does not deubiquitinate PLK1. Specifically deubiquitinates MYC in the nucleoplasm, leading to prevent MYC degradation by the proteasome: acts by specifically interacting with isoform 1 of FBXW7 (FBW7alpha) in the nucleoplasm and counteracting ubiquitination of MYC by the SCF(FBW7) complex. In contrast, it does not interact with isoform 4 of FBXW7 (FBW7gamma) in the nucleolus, allowing MYC degradation and explaining the selective MYC degradation in the nucleolus. Deubiquitinates ZNF304, hence preventing ZNF304 degradation by the proteasome and leading to the activated KRAS-mediated promoter hypermethylation and transcriptional silencing of tumor suppressor genes (TSGs) in a subset of colorectal cancers (CRC) cells (PubMed:24623306).

Aliases: Deubiquitinating enzyme 28 antibody, KIAA1515 antibody, Ubiquitin carboxyl terminal hydrolase 28 antibody, Ubiquitin carboxyl-terminal hydrolase 28 antibody, ubiquitin carboxyl-terminal hydrolase 28 variant 1 antibody, Ubiquitin specific peptidase 28 antibody, Ubiquitin specific processing protease 28 antibody, Ubiquitin specific protease 28 antibody, Ubiquitin thioesterase 28 antibody, Ubiquitin thiolesterase 28 antibody, Ubiquitin-specific-processing protease 28 antibody, UBP28\_HUMAN antibody, USP 28 antibody, USP28 antibody, USP28 protein antibody

UniProt: [Q96RU2](#)

## Application Details

Application Notes: Recommended dilution: WB:1:1000-1:5000, IHC:1:20-1:200,

Restrictions: For Research Use only

## Handling

Format: Liquid

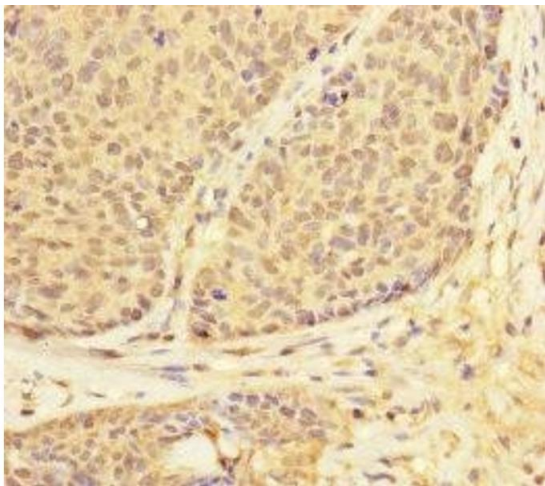
Buffer: PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



Immunohistochemistry

**Image 1.** Immunohistochemistry of paraffin-embedded human ovarian cancer using ABIN7174303 at dilution of 1:100



Western Blotting

**Image 2.** Western blot All lanes: USP28 antibody at 3.08 µg/mL + HeLa whole cell lysate Secondary Goat polyclonal to rabbit IgG at 1/10000 dilution Predicted band size: 123, 120, 67 kDa Observed band size: 123 kDa