

Anti-USP28 antibody ab70893

3 图像

概述

| | |
|-------|---|
| 产品名称 | Anti-USP28抗体 |
| 描述 | 兔多克隆抗体to USP28 |
| 宿主 | Rabbit |
| 经测试应用 | 适用于: WB, IP, IHC-P |
| 种属反应性 | 与反应: Human 预测可用于: Rabbit, Dog, Rhesus monkey, Gorilla, Orangutan  |
| 免疫原 | Synthetic peptide corresponding to a region between residue 50 and 100 of human USP28 (NP_065937.1). |
| 阳性对照 | Whole cell lysates from 293T and HeLa cells. |
| 常规说明 | <p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p> |

性能

| | |
|------|---|
| 形式 | Liquid |
| 存放说明 | Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles. |
| 存储溶液 | pH: 6.8 Preservative: 0.09% Sodium azide Constituents: 0.1% BSA, Tris buffered saline |
| 纯度 | Immunogen affinity purified |
| 克隆 | 多克隆 |
| 同种型 | IgG |

应用

The Abpromise guarantee

Abpromise™ 承诺保证使用 ab70893 于以下的经测试应用

“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

| 应用 | Ab评论 | 说明 |
|-------|------|--|
| WB | | 1/2000 - 1/10000. Detects a band of approximately 140, 100 kDa (predicted molecular weight: 122 kDa). |
| IP | | Use at 2-5 µg/mg of lysate. |
| IHC-P | | 1/500 - 1/2000. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol. |

靶标

功能

Deubiquitinase involved in DNA damage response checkpoint and MYC proto-oncogene stability. Involved in DNA damage induced apoptosis by specifically deubiquitinating 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.

序列相似性

Belongs to the peptidase C19 family. USP28 subfamily.
Contains 1 UIM (ubiquitin-interacting motif) repeat.

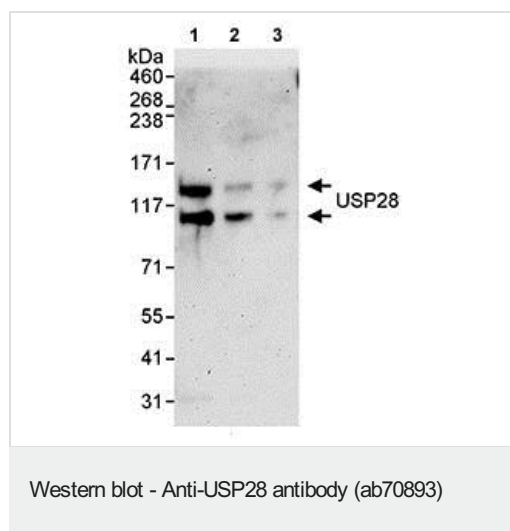
翻译后修饰

Degradaded upon nickel ion level or hypoxia exposure.
Phosphorylated upon DNA damage at Ser-67 and Ser-714, by ATM or ATR.

细胞定位

Nucleus > nucleoplasm.

图片



All lanes : Anti-USP28 antibody (ab70893) at 0.04 µg/ml

Lane 1 : Whole cell lysate from 293T cells at 50 µg

Lane 2 : Whole cell lysate from 293T cells at 15 µg

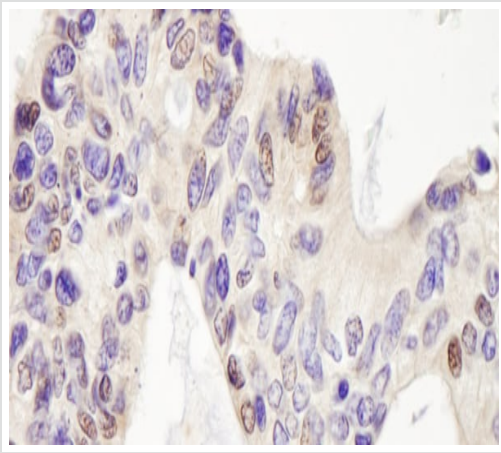
Lane 3 : Whole cell lysate from 293T cells at 5 µg

Developed using the ECL technique.

Predicted band size: 122 kDa

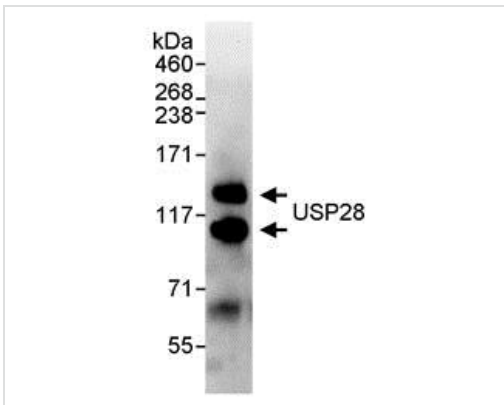
Observed band size: 110,140 kDa

Exposure time: 3 minutes



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-USP28 antibody (ab70893)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human ovarian carcinoma tissue labelling USP28 with ab70893 at 1/1000 (0.2µg/ml). Detection: DAB.



Immunoprecipitation - Anti-USP28 antibody (ab70893)

Detection of Human USP28 by Immunoprecipitation in Whole cell lysate from HeLa cells (1 mg for IP, 20% of IP loaded), using ab70893 at 3 µg/mg lysate for IP and at 1 µg/ml for subsequent Western blot detection. Note: bands between 55 and 71 kDa represent the IgG chains.

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