

Datasheet for ABIN6244029  
**anti-USP2 antibody (AA 1-258)**



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1 Image

## Overview

Quantity:	200 µL
Target:	USP2
Binding Specificity:	AA 1-258
Reactivity:	Human, Green Monkey
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This USP2 antibody is un-conjugated
Application:	Western Blotting (WB)

## Product Details

Immunogen:	This USP2 antibody is generated from a mouse immunized with a recombinant protein between 1-258 amino acids from human USP2.
Clone:	1738CT331-50-87
Isotype:	IgG1 kappa
Purification:	This antibody is purified through a protein G column, followed by dialysis against PBS.

## Target Details

Target:	USP2
Alternative Name:	USP2 ( <a href="#">USP2 Products</a> )
Background:	Hydrolase that deubiquitinates polyubiquitinated target proteins such as MDM2, MDM4 and

## Target Details

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CCND1. Isoform 1 and isoform 4 possess both ubiquitin-specific peptidase and isopeptidase activities. Deubiquitinates MDM2 without reversing MDM2-mediated p53/TP53 ubiquitination and thus indirectly promotes p53/TP53 degradation and limits p53 activity. Has no deubiquitinase activity against p53/TP53. Prevents MDM2-mediated degradation of MDM4. Plays a role in the G1/S cell-cycle progression in normal and cancer cells. Plays a role in the regulation of myogenic differentiation of embryonic muscle cells. Regulates the circadian clock by modulating its intrinsic circadian rhythm and its capacity to respond to external cues. Associates with clock proteins and deubiquitinates core clock component PER1 but does not affect its overall stability. Regulates the nucleocytoplasmic shuttling and nuclear retention of PER1 and its repressive role on the clock transcription factors CLOCK and ARNTL/BMAL1 (By similarity).

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Molecular Weight: 68072

UniProt: [O75604](#)

## Application Details

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Application Notes: WB: 1:2000

Restrictions: For Research Use only

## Handling

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Format: Liquid

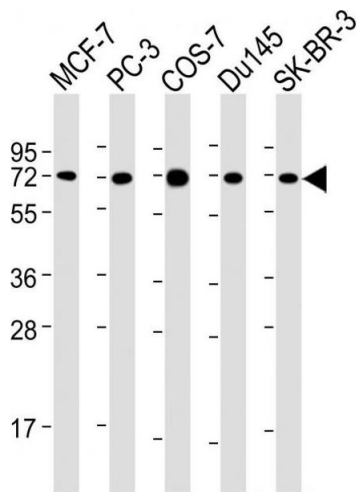
Buffer: Purified monoclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

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: 4 °C,-20 °C

Expiry Date: 6 months



### Western Blotting

**Image 1.** All lanes : Anti-USP2 Antibody at 1:2000 dilution  
 Lane 1: MCF-7 whole cell lysate Lane 2: PC-3 whole cell lysate Lane 3: COS-7 whole cell lysate Lane 4: Du145 whole cell lysate Lane 5: SK-BR-3 whole cell lysate  
 Lysates/proteins at 20 µg per lane. Secondary Goat Anti-mouse IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 68 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.