

Anti-USP2 Antibody

Catalog Number: M04288

About USP2

Hydrolase that deubiquitinates polyubiquitinated target proteins such as MDM2, MDM4 and 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).

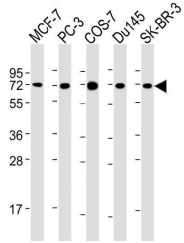
Overview

Product Name	Anti-USP2 Antibody
Reactive Species	African green monkey, Human
Description	Boster Bio Anti-USP2 Antibody (Catalog # M04288). Tested in WB application(s). This antibody reacts with Human, African green monkey.
Application	WB
Clonality	Monoclonal 1738CT331.50.87
Formulation	Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.
Storage Instructions	Maintain refrigerated at 2-8°C for up to 2 weeks. For long-term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.
Host	Mouse
Uniprot ID	O75604

Technical Details

Immunogen	This USP2 antibody is generated from a mouse immunized with a recombinant protein between 1-258 amino acids from human USP2.
Predicted Reactive Species	Chicken, Mouse
Isotype	IgG1,k
Purification	This antibody is purified through a protein G column, followed by dialysis against PBS.
Suggested Dilutions	WB: 1:2000

Anti-USP2 Antibody (M04288) Images



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% NFD/MTBST.

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Anti-USP2 Antibody

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