

**DATASHEET**

**USP2 Mouse Monoclonal Antibody(C3539)**

CAT. NO. AMA03151

**KEY FEATURES**

Target	USP2	Source / Host	Mouse
Reactivity	Human, Monkey	Clonality	Monoclonal
Applications	WB	Conjugation	Unconjugated
Form / Buffer	Mouse IgG1 kappa. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.	Storage	at-20°C

**BACKGROUND**

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 . 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 .

**APPLICATION**

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

WB	1:500 - 1:1000
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\*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

**PRODUCT OVERVIEW**

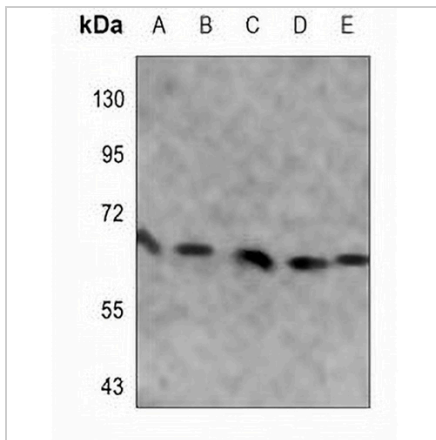
Description	Mouse monoclonal antibody to USP2
Specificity	Recognizes endogenous levels of USP2 protein.
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human USP2. The exact sequence is proprietary.
Purification	This antibody is purified through a protein G column.
Molecular Weight	Predicted: 68 kD; Observed: 68 kD
Form/Buffer	Mouse IgG1 kappa. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	UBP41; Ubiquitin carboxyl-terminal hydrolase 2; 41 kDa ubiquitin-specific protease; Deubiquitinating enzyme 2; Ubiquitin thioesterase 2; Ubiquitin-specific-processing protease 2
Gene Symbol	USP2
Entrez Gene	9099(Human)
SwissProt	O75604(Human)

\*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 USP2 expression in MCF7 (A), PC3 (B), COS7 (C), Du145 (D), SKBR3 (E) whole cell lysates. (Predicted band size: 68 kD; Observed band size: 68 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.