

Datasheet for ABIN7174281
anti-USP2 antibody (AA 9-265) (Biotin)



[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	USP2
Binding Specificity:	AA 9-265
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This USP2 antibody is conjugated to Biotin
Application:	ELISA

Product Details

Immunogen:	Recombinant Human Ubiquitin carboxyl-terminal hydrolase 2 protein (9-265AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	USP2
Alternative Name:	USP2 (USP2 Products)
Background:	Background: Hydrolase that deubiquitinates polyubiquitinated target proteins such as MDM2, MDM4 and CCND1. Isoform 1 and isoform 4 possess both ubiquitin-specific peptidase and

Target Details

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).

Aliases: 41 kDa ubiquitin specific protease antibody, 41 kDa ubiquitin-specific protease antibody, Deubiquitinating enzyme 2 antibody, Ubiquitin carboxyl terminal hydrolase 2 antibody, Ubiquitin carboxyl-terminal hydrolase 2 antibody, ubiquitin specific peptidase 2 antibody, Ubiquitin specific processing protease 2 antibody, Ubiquitin specific protease 12 antibody, Ubiquitin specific protease 9 antibody, Ubiquitin specific protease, 41kD antibody, Ubiquitin thioesterase 2 antibody, Ubiquitin thiolesterase 2 antibody, Ubiquitin-specific-processing protease 2 antibody, Ubiquitin-specific-processing protease testis antibody, UBP-t antibody, UBP2_HUMAN antibody, UBP41 antibody, USP2 antibody, USP9 antibody

UniProt: [O75604](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4

Preservative: ProClin

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

Storage: -20 °C,-80 °C

Handling

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