## ANTIBODIES ONLINE

## Datasheet for ABIN1882149 anti-USP2 antibody (AA 245-275)

3 Publications



Overview

Quantity:	400 µL
Target:	USP2
Binding Specificity:	AA 245-275
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This USP2 antibody is un-conjugated
Application:	Please inquire
Product Details	
Immunogen:	This USP2 antibody is generated from rabbits immunized with a KLH conjugated synthetic
	peptide between 245-275 amino acids from human USP2.
Clone:	RB4416
lsotype:	Ig Fraction
Predicted Reactivity:	B, M, Rat
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Target Details

Target: USP2

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Target Details	
Alternative Name:	USP2 (USP2 Products)
Alternative Name: Background:	<ul> <li>USP2 (USP2 Products)</li> <li>Modification of target proteins by ubiquitin participates in a wide array of biological functions.</li> <li>Proteins destined for degradation or processing via the 26 S proteasome are coupled to multiple copies of ubiquitin. However, attachment of ubiquitin or ubiquitin-related molecules may also result in changes in subcellular distribution or modification of protein activity. An additional level of ubiquitin regulation, deubiquitination, is catalyzed by proteases called deubiquitinating enzymes, which fall into four distinct families. Ubiquitin C-terminal hydrolases, ubiquitin-specific processing proteases (USPs),1 OTU-domain ubiquitin-aldehyde-binding proteins, and Jab1/Pad1/MPN-domain-containing metallo-enzymes. Among these four families, USPs represent the most widespread and represented deubiquitinating enzymes across evolution. USPs tend to release ubiquitin from a conjugated protein. They display similar catalytic domains containing conserved Cys and His boxes but divergent N-terminal and occasionally C-terminal extensions.</li> </ul>
	subcellular localization, and protein-protein interactions.
Molecular Weight:	68072
NCBI Accession:	NP_001230688, NP_004196, NP_741994
UniProt:	075604
Application Details	
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Buffer:	Purified polyclonal 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

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Tong, Buelow, Guha, Rausch, Yin: "USP2a protein deubiquitinates and stabilizes the circadian protein CRY1 in response to inflammatory signals." in: **The Journal of biological chemistry**, Vol. 287, Issue 30, pp. 25280-91, (2012) (PubMed).

Haimerl, Erhardt, Sass, Tiegs: "Down-regulation of the de-ubiquitinating enzyme ubiquitinspecific protease 2 contributes to tumor necrosis factor-alpha-induced hepatocyte survival." in: **The Journal of biological chemistry**, Vol. 284, Issue 1, pp. 495-504, (2008) (PubMed).

Strausberg, Feingold, Grouse, Derge, Klausner, Collins, Wagner, Shenmen, Schuler, Altschul, Zeeberg, Buetow, Schaefer, Bhat, Hopkins, Jordan, Moore, Max, Wang, Hsieh, Diatchenko, Marusina, Farmer et al.: "Generation and initial analysis of more than 15,000 full-length human and mouse cDNA sequences. ..." in: **Proceedings of the National Academy of Sciences of the United States of America**, Vol. 99, Issue 26, pp. 16899-903, (2002) (PubMed).