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Datasheet for ABIN388877  
**anti-USP2 antibody (N-Term)**

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### Overview

Quantity:	400 µL
Target:	USP2
Binding Specificity:	AA 71-101, N-Term
Reactivity:	Human, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This USP2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

### Product Details

Immunogen:	This USP2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 71-101 amino acids from the N-terminal region of human USP2.
Clone:	RB4202
Isotype:	Ig Fraction
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

### Target Details

Target:	USP2
Alternative Name:	USP2 ( <a href="#">USP2 Products</a> )

## Target Details

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**Background:** Modification of target proteins by ubiquitin participates in a wide array of biological functions. 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, which are thought to function in substrate recognition, subcellular localization, and protein-protein interactions.

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**Molecular Weight:** 68072

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**Gene ID:** 9099

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**NCBI Accession:** [NP\\_001230688](#), [NP\\_004196](#), [NP\\_741994](#)

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**UniProt:** [O75604](#)

## Application Details

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**Application Notes:** WB: 1:1000. WB: 1:1000. WB: 1:1000. IHC-P: 1:10~50

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**Restrictions:** For Research Use only

## Handling

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**Format:** Liquid

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

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**Preservative:** Sodium azide

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

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**Storage:** 4 °C, -20 °C

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**Storage Comment:** Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.

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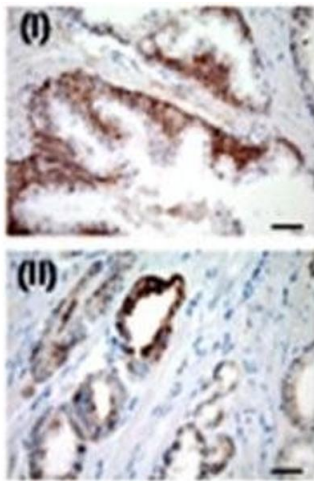
## Handling

Expiry Date: 6 months

## Publications

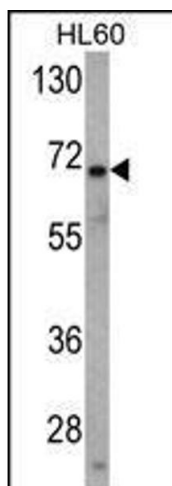
Product cited in: Sharma, Åkerström, Sharma, Chow, Teow, Abrenica, Booth, Booth, Mirazimi, Lal: "SARS-CoV 9b protein diffuses into nucleus, undergoes active Crm1 mediated nucleocytoplasmic export and triggers apoptosis when retained in the nucleus." in: **PLoS ONE**, Vol. 6, Issue 5, pp. e19436, (2011) ([PubMed](#)).

## Images



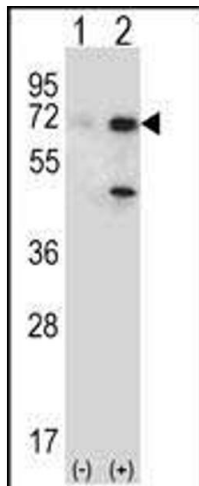
### Immunohistochemistry (Paraffin-embedded Sections)

**Image 1.** IHC for USP2a in a formalin-fixed, paraffin-embedded human prostate sample. Cytoplasmic positive immunostaining was detected in tumor glands (ii), whereas in normal prostatic epithelium, USP2a expression was restricted to the basal layer.



### Western Blotting

**Image 2.** Western blot analysis of USP2 Antibody (N-term) (ABIN388877 and ABIN2839170) in HL60 cell line lysates (35 µg/lane). USP2 (arrow) was detected using the purified Pab.



### Western Blotting

**Image 3.** Western blot analysis of USP2 (arrow) using rabbit polyclonal USP2 Antibody (T22) (ABIN388877 and ABIN2839170). 293 cell lysates (2 µg/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the USP2 gene.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN388877.