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Datasheet for ABIN7174328  
**anti-USP4 antibody (AA 632-810)**

4 Images

Overview

Quantity:	100 µg
Target:	USP4
Binding Specificity:	AA 632-810
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This USP4 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant Human Ubiquitin carboxyl-terminal hydrolase 4 protein (632-810AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	USP4
Alternative Name:	USP4 ( <a href="#">USP4 Products</a> )
Background:	Background: Hydrolase that deubiquitinates target proteins such as the receptor ADORA2A, PDPK1 and TRIM21. Deubiquitination of ADORA2A increases the amount of functional receptor

## Target Details

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at the cell surface. May regulate mRNA splicing through deubiquitination of the U4 spliceosomal protein PRPF3. This may prevent its recognition by the U5 component PRPF8 thereby destabilizing interactions within the U4/U6.U5 snRNP. May also play a role in the regulation of quality control in the ER.

Aliases: Deubiquitinating enzyme 4 antibody, MGC149848 antibody, MGC149849 antibody, Proto oncogene antibody, Protooncogene antibody, Ubiquitin carboxyl terminal hydrolase 4 antibody, Ubiquitin carboxyl-terminal hydrolase 4 antibody, Ubiquitin specific peptidase 4 (proto oncogene) antibody, Ubiquitin specific peptidase 4 (protooncogene) antibody, Ubiquitin specific peptidase 4 antibody, Ubiquitin specific processing protease 4 antibody, Ubiquitin specific protease 4 (proto oncogene) antibody, Ubiquitin specific protease 4 (protooncogene) antibody, Ubiquitin specific protease 4 antibody, Ubiquitin specific protease proto oncogene antibody, Ubiquitin specific protease protooncogene antibody, Ubiquitin thioesterase 4 antibody, Ubiquitin thiolesterase 4 antibody, Ubiquitin-specific-processing protease 4 antibody, Ubiquitous nuclear protein homolog antibody, UBP4\_HUMAN antibody, UNP antibody, UNPH antibody, USP 4 antibody, USP4 antibody

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UniProt: [Q13107](#)

## Application Details

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Application Notes: Recommended dilution: WB:1:500-1:5000, IHC:1:500-1:1000, IF:1:50-1:200,

Restrictions: For Research Use only

## Handling

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Format: Liquid

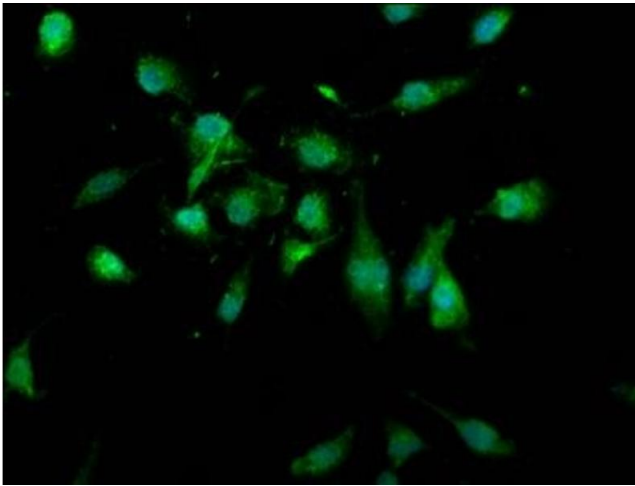
Buffer: Preservative: 0.03 % Proclin 300  
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

Preservative: ProClin

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

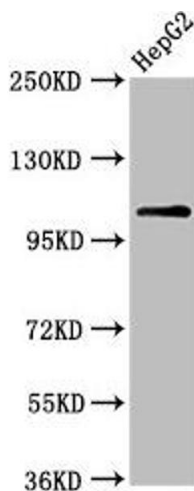
Storage: -20 °C,-80 °C

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



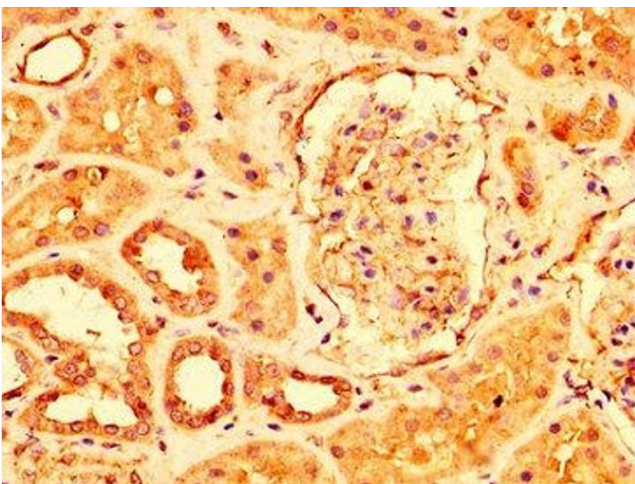
### Immunofluorescence

**Image 1.** Immunofluorescence staining of U251 cells with ABIN7174328 at 1:166, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



### Western Blotting

**Image 2.** Western Blot Positive WB detected in: HepG2 whole cell lysate All lanes: USP4 antibody at 6.3 µg/mL Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution Predicted band size: 109, 104, 36 kDa Observed band size: 109 kDa



### Immunohistochemistry

**Image 3.** IHC image of ABIN7174328 diluted at 1:500 and staining in paraffin-embedded human kidney tissue performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7174328.