

# KD-Validated Anti-Ubiquitin Specific Peptidase 14 Recombinant Rabbit Monoclonal Antibody



**Catalog #: 62631**

## Aliases

USP14; Ubiquitin Specific Peptidase 14; TGT; Ubp6; Ubiquitin Specific Peptidase 14 (TRNA-Guanine Transglycosylase); Ubiquitin Specific Protease 14 (TRNA-Guanine Transglycosylase); Ubiquitin Carboxyl-Terminal Hydrolase 14; Deubiquitinating Enzyme 14; Ubiquitin Thioesterase 14; TRNA-Guanine Transglycosylase, 60-KD Subunit; Ubiquitin-Specific Processing Protease 14; Ubiquitin-Specific-Processing Protease 14; Ubiquitin Thiolesterase 14; EC 3.4.19.12; EC 3.1.2.15

## Background

Gene Name: USP14

NCBI Gene Entry: [9097](#)

UniProt Entry: [P54578](#)

## Application Information

Molecular Weight: Predicted, 56 kDa, observed, 56 kDa

Clonality: Rabbit monoclonal antibody

Clone ID: 24GB2190

Species Reactivity: Human, mouse, rat

Applications Tested: Western blotting (WB), flow cytometry (FCM), immunocytochemistry (IC)

## Immunogen

A synthesized peptide derived from human USP14

## Isotype

Rabbit IgG

## Storage Buffer

Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.

## Storage

Store at -20 °C for one year.

## Recommended Dilutions

Western Blotting (WB): 1:1,000-1:5,000

Flow Cytometry (FCM): 1:2,000

Immunocytochemistry (IC): 1:100-1:1,000

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### SUPPORT

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### ORDERS

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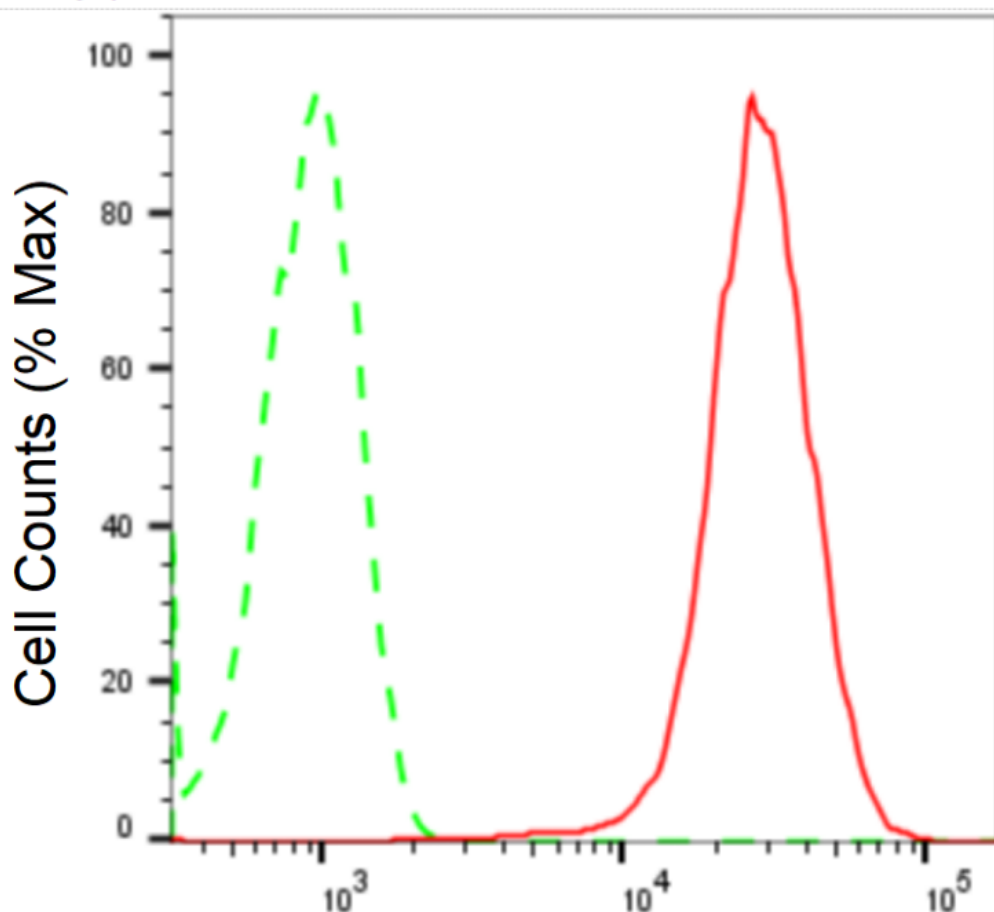
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**Note:** This product is for research use only.

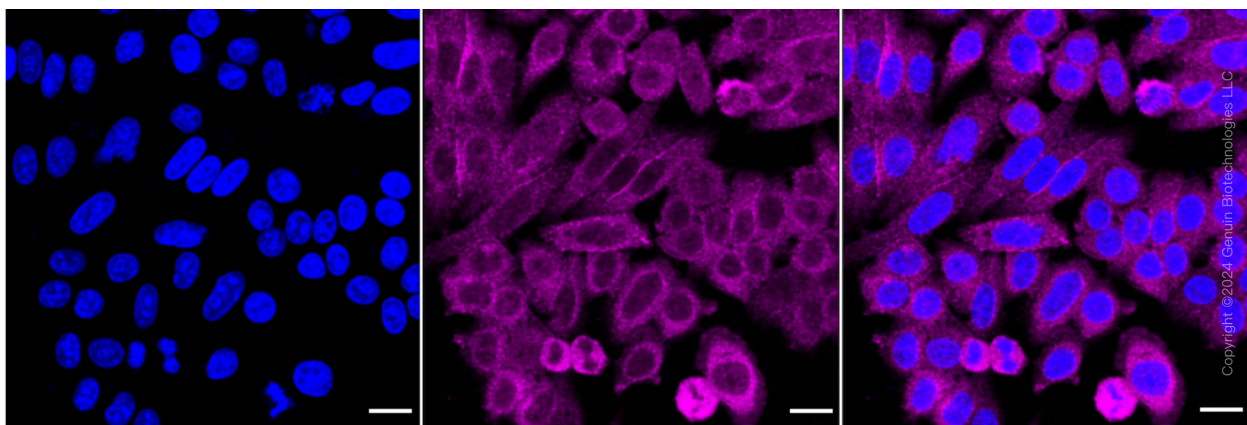
## Validation Data



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## Ubiquitin specific peptidase 14-Alexa Fluor® 647

Flow cytometric analysis of Ubiquitin specific peptidase 14 expression in HepG2 cells using anti-Ubiquitin specific peptidase 14 antibody (Cat#62631, 1:2,000). Green, isotype control; red, Ubiquitin specific peptidase 14.



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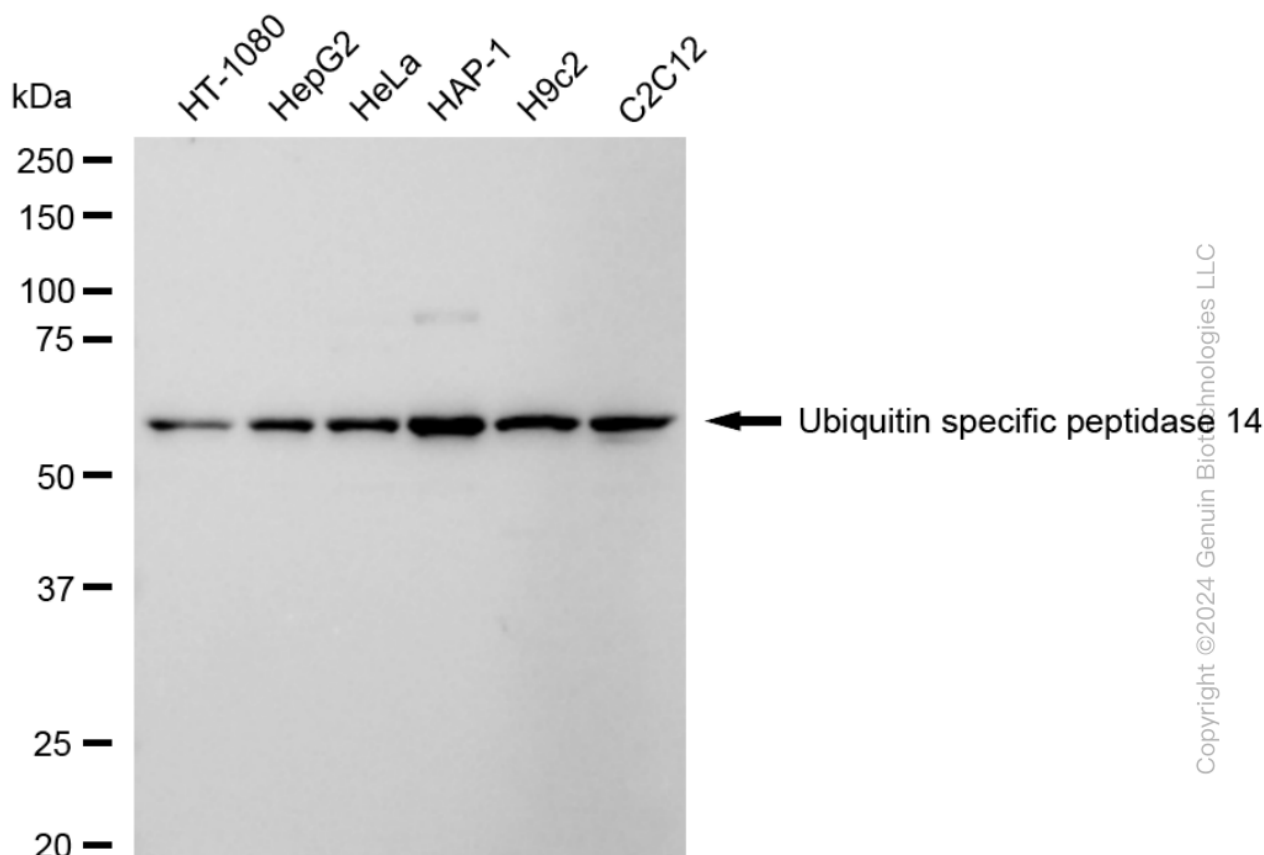
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Immunocytochemical staining of HepG2 cells with anti-Ubiquitin specific peptidase 14 antibody (Cat#62631, 1:1,000). Nuclei were stained blue with DAPI; Ubiquitin specific peptidase 14 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar: 20  $\mu$ m.



Western blotting analysis using anti-ubiquitin specific peptidase 14 antibody (Cat#62631). Total cell lysates (30  $\mu$ g) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-ubiquitin specific peptidase 14 antibody (Cat#62631, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (Cat#201, 1:20,000) respectively. Image was developed using FeQ™ ECL Substrate Kit (Cat#226).

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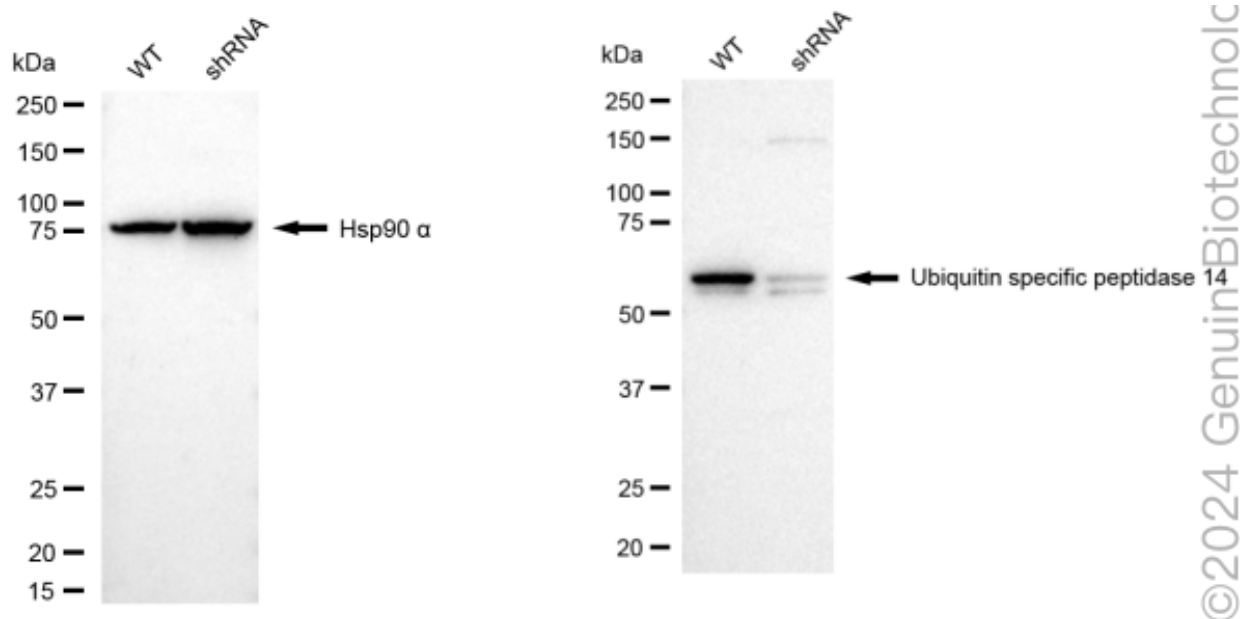
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Western blotting analysis using anti-Ubiquitin specific peptidase 14 antibody (Cat#62631). Ubiquitin specific peptidase 14 expression in wild type (WT) and Ubiquitin specific peptidase 14 shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with anti-Ubiquitin specific peptidase 14 antibody (Cat#62631, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (Cat#201, 1:20,000) respectively. Image was developed using NaQ™ ECL Substrate Kit (Cat#716).

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