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Datasheet for ABIN7174258
anti-USP14 antibody (C-Term)

4 Images

Overview

Quantity:	100 µg
Target:	USP14
Binding Specificity:	AA 1-494, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This USP14 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant Human Ubiquitin carboxyl-terminal hydrolase 14 protein (1-494AA)
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Purification:	>95%, Protein G purified

Target Details

Target:	USP14
Alternative Name:	USP14 (USP14 Products)
Background:	Background: Proteasome-associated deubiquitinase which releases ubiquitin from the proteasome targeted ubiquitinated proteins. Ensures the regeneration of ubiquitin at the

Target Details

proteasome. Is a reversibly associated subunit of the proteasome and a large fraction of proteasome-free protein exists within the cell. Required for the degradation of the chemokine receptor CXCR4 which is critical for CXCL12-induced cell chemotaxis. Serves also as a physiological inhibitor of endoplasmic reticulum-associated degradation (ERAD) under the non-stressed condition by inhibiting the degradation of unfolded endoplasmic reticulum proteins via interaction with ERN1. Indispensable for synaptic development and function at neuromuscular junctions (NMJs).

Aliases: Deubiquitinating enzyme 14 antibody, TGT antibody, tRNA guanine transglycosylase 60 kD subunit antibody, tRNA guanine transglycosylase antibody, Ubiquitin carboxyl terminal hydrolase 14 antibody, Ubiquitin carboxyl-terminal hydrolase 14 antibody, Ubiquitin specific peptidase 14 antibody, Ubiquitin specific processing protease 14 antibody, Ubiquitin specific protease 14 antibody, Ubiquitin thiolesterase 14 antibody, Ubiquitin-specific-processing protease 14 antibody, UBP14_HUMAN antibody, USP 14 antibody, USP14 antibody

UniProt: [P54578](#)

Application Details

Application Notes: Recommended dilution: WB:1:500-1:2000, IHC:1:20-1:200, IF:1:50-1:200,

Restrictions: For Research Use only

Handling

Format: Liquid

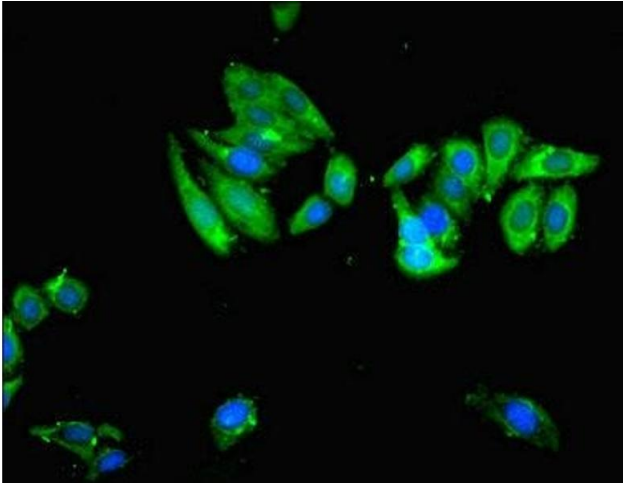
Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4

Preservative: ProClin

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

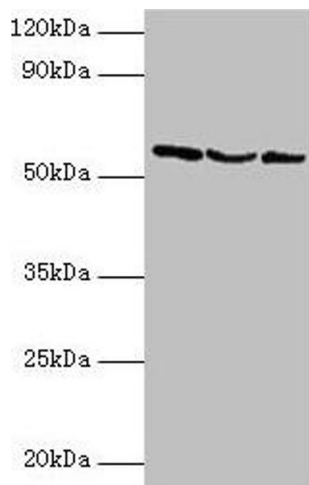
Storage: -20 °C,-80 °C

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



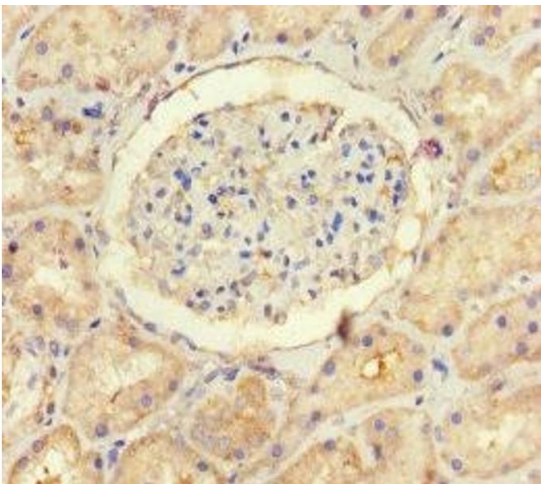
Immunofluorescence

Image 1. Immunofluorescent analysis of HepG2 cells using ABIN7174258 at dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)



Western Blotting

Image 2. Western blot All lanes: USP14 antibody at 2 µg/mL
Lane 1: HeLa whole cell lysate Lane 2: 293T whole cell lysate
Lane 3: NIH/3T3 whole cell lysate Secondary Goat polyclonal to rabbit IgG at 1/10000 dilution Predicted band size: 57, 53, 55 kDa Observed band size: 57 kDa



Immunohistochemistry

Image 3. Immunohistochemistry of paraffin-embedded human kidney tissue using ABIN7174258 at dilution of 1:100

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7174258.