



[Go to Product page](#)

Datasheet for ABIN7174308  
**anti-USP3 antibody (C-Term)**

3 Images

Overview

Quantity:	100 µg
Target:	USP3
Binding Specificity:	AA 101-400, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This USP3 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

Product Details

Immunogen:	Recombinant Human Ubiquitin carboxyl-terminal hydrolase 30 protein (101-400AA)
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Purification:	>95%, Protein G purified

Target Details

Target:	USP3
Alternative Name:	USP3 ( <a href="#">USP3 Products</a> )
Background:	Background: Deubiquitinating enzyme tethered to the mitochondrial outer membrane that acts as a key inhibitor of mitophagy by counteracting the action of parkin (PARK2): hydrolyzes

## Target Details

---

ubiquitin attached by parkin on target proteins, such as RHOT1/MIRO1 and TOMM20, thereby blocking parkin's ability to drive mitophagy (PubMed:18287522, PubMed:24896179, PubMed:25527291, PubMed:25621951). Preferentially cleaves 'Lys-6'- and 'Lys-11'-linked polyubiquitin chains, 2 types of linkage that participate to mitophagic signaling (PubMed:25621951). Does not cleave efficiently polyubiquitin phosphorylated at 'Ser-65' (PubMed:25527291). Acts as negative regulator of mitochondrial fusion by mediating deubiquitination of MFN1 and MFN2 (By similarity).

Aliases: Deubiquitinating enzyme 30 antibody, FLJ40511 antibody, Ub-specific protease 30 antibody, Ubiquitin carboxyl terminal hydrolase 30 antibody, Ubiquitin carboxyl-terminal hydrolase 30 antibody, Ubiquitin specific peptidase 30 antibody, Ubiquitin specific processing protease 30 antibody, Ubiquitin thioesterase 30 antibody, Ubiquitin thiolesterase 30 antibody, Ubiquitin-specific-processing protease 30 antibody, UBP30\_HUMAN antibody, usp30 antibody

UniProt: [Q70CQ3](#)

## Application Details

---

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

Restrictions: For Research Use only

## Handling

---

Format: Liquid

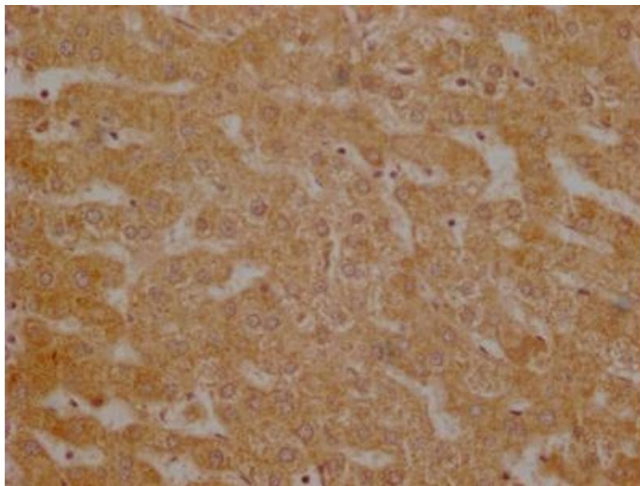
Buffer: Preservative: 0.03 % Proclin 300  
Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4

Preservative: ProClin

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

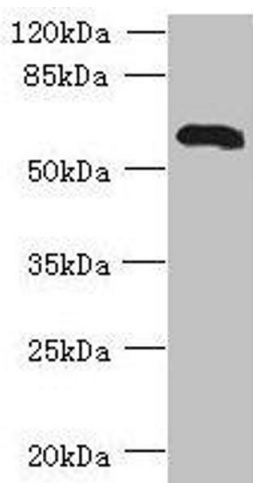
Storage: -20 °C,-80 °C

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



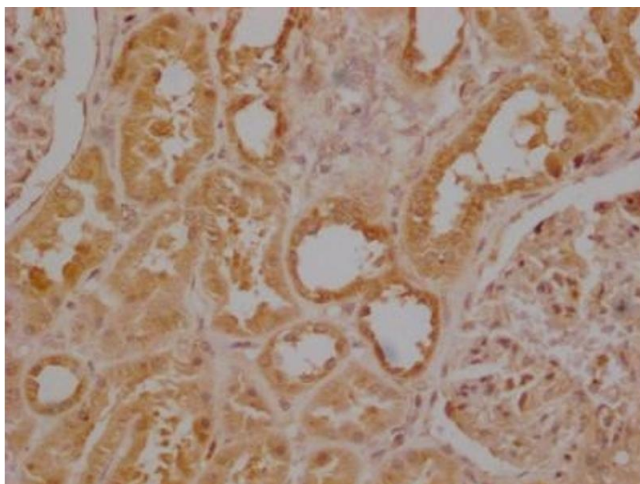
### Immunohistochemistry

**Image 1.** Immunohistochemistry of paraffin-embedded human breast cancer using ABIN7174308 at dilution of 1:100



### Western Blotting

**Image 2.** Western blot All lanes: USP30 antibody at 7  $\mu\text{g}/\text{mL}$  + Mouse liver tissue Secondary Goat polyclonal to rabbit IgG at 1/10000 dilution Predicted band size: 59 kDa Observed band size: 59 kDa



### Immunohistochemistry

**Image 3.** Immunohistochemistry of paraffin-embedded human colon cancer using ABIN7174308 at dilution of 1:100