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Datasheet for ABIN7271156  
**anti-USP3 antibody (AA 321-520)**

1 Image

Overview

Quantity:	100 µL
Target:	USP3
Binding Specificity:	AA 321-520
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This USP3 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Purpose:	USP3 Rabbit pAb
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 321-520 of human USP3 (NP_006528.2).
Sequence:	EVNCLICGTE SRKFDPFLLDL SLDIPSQFRS KRSKNQENGP VCSLRDCLRS FTDLEELDET ELYMCHKCKK KQKSTKKFWI QKLPKVLCLH LKRFHWTAYL RNKVDTYVEF PLRGLDMKCY LLEPENSGPE SCLYDLAAVV VHHGSGVGSG HYTAYATHEG RWFHFNDSTV TLTDEETVVK AKAYILFYVE HQAKAGSDKL
Isotype:	IgG
Cross-Reactivity:	Human
Characteristics:	Polyclonal Antibodies

## Product Details

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Purification: Affinity purification

## Target Details

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Target: USP3

Alternative Name: USP3 ([USP3 Products](#))

Background: The ubiquitin (Ub) pathway involves three sequential enzymatic steps that facilitate the conjugation of Ub and Ub-like molecules to specific protein substrates. Through the use of a wide range of enzymes that can add or remove ubiquitin, the Ub pathway controls many intracellular processes such as signal transduction, transcriptional activation and cell cycle progression. USP3 (ubiquitin specific peptidase 3), also known as UBP or SIH003, is a 520 amino acid protein that contains one UBP-type zinc finger and belongs to the peptidase C19 family. Expressed ubiquitously with highest levels present in pancreas, USP3 catalyzes the conversion of a ubiquitin C-terminal thioester to a free ubiquitin and a thiol. The gene encoding USP3 maps to human chromosome 15, which houses over 700 genes and comprises nearly 3 % of the human genome.,USP3,SIH003,UBP,Epigenetics & Nuclear Signaling,Cancer,Signal Transduction,Cell Biology & Developmental Biology,Ubiquitin,Endocrine & Metabolism,Amino acid metabolism,USP3

Molecular Weight: 53kDa/58kDa

Gene ID: 9960

UniProt: [Q9Y614](#)

## Application Details

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Application Notes: WB,1:500 - 1:2000

Restrictions: For Research Use only

## Handling

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Format: Liquid

Buffer: PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.

Preservative: Sodium azide

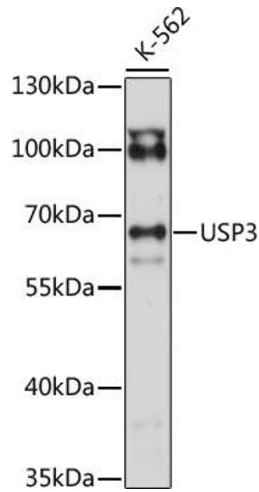
Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Handling

Storage: -20 °C

Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.

## Images



### Western Blotting

**Image 1.** Western blot analysis of extracts of K-562 cells, using USP3 antibody (ABIN7271156) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 30s.