

Datasheet for ABIN650700
anti-USP6 antibody (C-Term)[Go to Product page](#)

2 Images

Overview

Quantity:	400 µL
Target:	USP6
Binding Specificity:	AA 1280-1310, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This USP6 antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS)

Product Details

Immunogen:	This USP6 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1280-1310 amino acids from the C-terminal region of human USP6.
Clone:	RB4277
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	USP6
Alternative Name:	USP6 (USP6 Products)
Background:	Modification of target proteins by ubiquitin participates in a wide array of biological functions.

Target Details

Proteins destined for degradation or processing via the 26 S proteasome are coupled to multiple copies of ubiquitin. However, attachment of ubiquitin or ubiquitin-related molecules may also result in changes in subcellular distribution or modification of protein activity. An additional level of ubiquitin regulation, deubiquitination, is catalyzed by proteases called deubiquitinating enzymes, which fall into four distinct families. Ubiquitin C-terminal hydrolases, ubiquitin-specific processing proteases (USPs),¹ OTU-domain ubiquitin-aldehyde-binding proteins, and Jab1/Pad1/MPN-domain-containing metallo-enzymes. Among these four families, USPs represent the most widespread and represented deubiquitinating enzymes across evolution. USPs tend to release ubiquitin from a conjugated protein. They display similar catalytic domains containing conserved Cys and His boxes but divergent N-terminal and occasionally C-terminal extensions, which are thought to function in substrate recognition, subcellular localization, and protein-protein interactions.

Molecular Weight:	158658
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Gene ID:	9098
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NCBI Accession:	NP_004496
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UniProt:	P35125
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Application Details

Application Notes:	WB: 1:1000. FC: 1:10~50
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Restrictions:	For Research Use only
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Handling

Format:	Liquid
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Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
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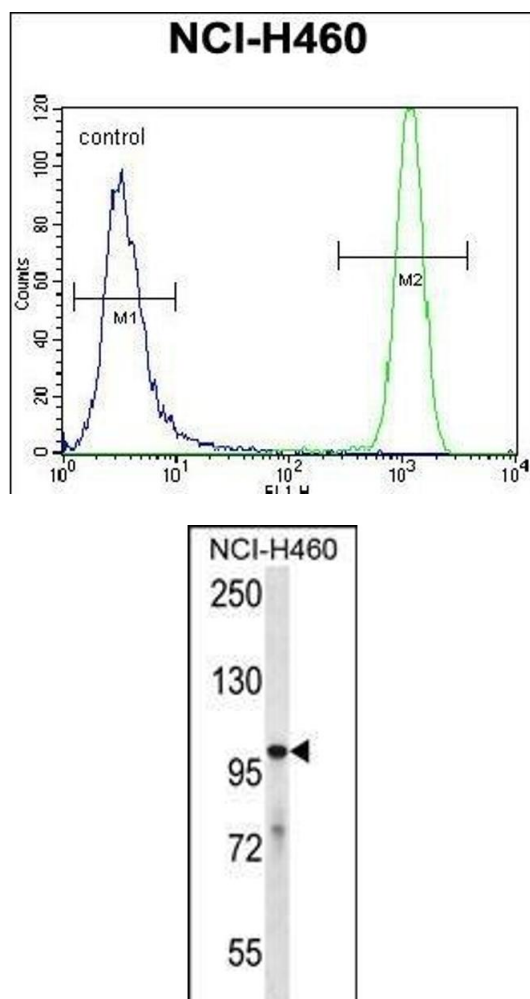
Preservative:	Sodium azide
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Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
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Storage:	4 °C, -20 °C
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Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
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Expiry Date:	6 months
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Flow Cytometry

Image 1. USP6 Antibody (C-term) (ABIN650700 and ABIN2839178) flow cytometric analysis of NCI- cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

Western Blotting

Image 2. USP6 Antibody (ABIN650700 and ABIN2839178) western blot analysis in NCI- cell line lysates (35 μ g/lane). This demonstrates the USP6 antibody detected the USP6 protein (arrow).