

Datasheet for ABIN388907
anti-USP16 antibody (AA 386-416)[Go to Product page](#)

1 Image

Overview

Quantity:	400 µL
Target:	USP16
Binding Specificity:	AA 386-416
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This USP16 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	This USP16 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 386-416 amino acids from the Central region of human USP16.
Clone:	RB4343-4344
Isotype:	Ig Fraction
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Target Details

Target:	USP16
Alternative Name:	USP16 (USP16 Products)

Target Details

Background: Modification of target proteins by ubiquitin participates in a wide array of biological functions. 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: 93570

Gene ID: 10600

NCBI Accession: [NP_001001992](#), [NP_001027582](#), [NP_006438](#)

UniProt: [Q9Y5T5](#)

Application Details

Application Notes: WB: 1:1000

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

Preservative: Sodium azide

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

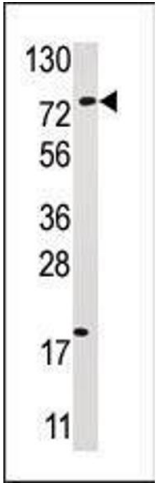
Storage: 4 °C, -20 °C

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.

Handling

Expiry Date: 6 months

Images



Western Blotting

Image 1. Western blot analysis of anti-USP16 Pab (ABIN388907 and ABIN2839190) in HL60 cell line lysate (35 µg/lane). USP16(arrow) was detected using the purified Pab.