

# USP11 Antibody (N-term)

Purified Mouse Monoclonal Antibody (Mab)

Catalog # AW5070

## Product Information

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Application	FC, WB
Primary Accession	<a href="#">P51784</a>
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Calculated MW	109817
Isotype	IgG1, $\kappa$
Antigen Source	HUMAN

## Additional Information

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Antigen Region	32-300
Other Names	Ubiquitin carboxyl-terminal hydrolase 11, Deubiquitinating enzyme 11, Ubiquitin thioesterase 11, Ubiquitin-specific-processing protease 11, USP11, UHX1
Dilution	FC~~1:25 WB~~1:1000
Target/Specificity	This USP11 antibody is generated from a mouse immunized with a KLH conjugated synthetic peptide between 32-300 amino acids from the N-terminal region of human USP11.
Format	Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein G column, followed by dialysis against PBS.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	USP11 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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Name	USP11
Synonyms	UHX1
Function	Protease that can remove conjugated ubiquitin from target proteins and polyubiquitin chains (PubMed: <a href="#">12084015</a> , PubMed: <a href="#">15314155</a> ,

PubMed:[17897950](#), PubMed:[19874889](#), PubMed:[20233726](#), PubMed:[24724799](#), PubMed:[28992046](#)). Inhibits the degradation of target proteins by the proteasome (PubMed:[12084015](#)). Cleaves preferentially 'Lys-6' and 'Lys- 63'-linked ubiquitin chains. Has lower activity with 'Lys-11' and 'Lys-33'-linked ubiquitin chains, and extremely low activity with 'Lys-27', 'Lys-29' and 'Lys-48'-linked ubiquitin chains (in vitro) (PubMed:[24724799](#)). Plays a role in the regulation of pathways leading to NF-kappa-B activation (PubMed:[17897950](#), PubMed:[19874889](#)). Plays a role in the regulation of DNA repair after double-stranded DNA breaks (PubMed:[15314155](#), PubMed:[20233726](#)). Acts as a chromatin regulator via its association with the Polycomb group (PcG) multiprotein PRC1-like complex; may act by deubiquitinating components of the PRC1-like complex (PubMed:[20601937](#)). Promotes cell proliferation by deubiquitinating phosphorylated E2F1 (PubMed:[28992046](#)).

#### Cellular Location

Nucleus. Cytoplasm. Chromosome. Note=Predominantly nuclear (PubMed:[12084015](#), PubMed:[15314155](#)). Associates with chromatin (PubMed:[20233726](#), PubMed:[20601937](#)).

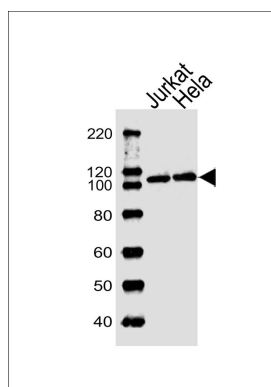
## Background

Protease that can remove conjugated ubiquitin from target proteins and polyubiquitin chains. Inhibits the degradation of target proteins by the proteasome. Plays a role in the regulation of pathways leading to NF-kappa-B activation. Plays a role in the regulation of DNA repair after double-stranded DNA breaks.

## References

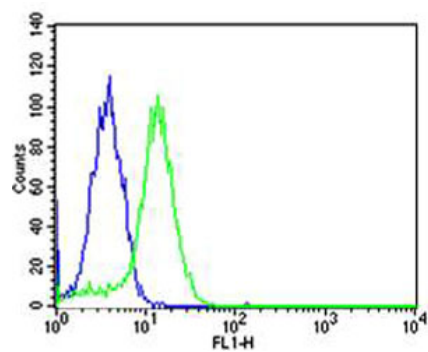
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## Images



Western blot analysis of lysates from Jurkat, HeLa cell line (from left to right), using USP11 Antibody (C-term R565)(Cat. #AW5070). AW5070 was diluted at 1:1000 at each lane. A goat anti-mouse IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody. Lysates at 20ug per lane.

Flow cytometric analysis of HeLa cells using USP11 Antibody (C-term R565)(green, Cat#AW5070) compared to an isotype control of mouse IgG1(blue). AW5070 was diluted at 1:25 dilution. An Alexa Fluor® 488 goat anti-mouse IgG at 1:400 dilution was used as the secondary antibody.



Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.