

**USP11 Antibody (N-term)**  
**Purified Mouse Monoclonal Antibody (Mab)**  
**Catalog # AW5070**

**Specification**

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**USP11 Antibody (N-term) - Product Information**

Application	<b>WB, FC,E</b>
Primary Accession	<a href="#">P51784</a>
Reactivity	<b>Human</b>
Host	<b>Mouse</b>
Clonality	<b>Monoclonal</b>
Calculated MW	<b>H=110 KDa</b>
Isotype	<b>IgG1,<math>\kappa</math></b>
Antigen Source	<b>HUMAN</b>

**USP11 Antibody (N-term) - Additional Information**

**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**

WB~~1:1000  
FC~~1:25

**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.

**USP11 Antibody (N-term) - Protein Information**

**Name** USP11

## Synonyms UHX1

### Function

Protease that can remove conjugated ubiquitin from target proteins and polyubiquitin chains (PubMed:<a href="http://www.uniprot.org/citations/12084015" target="\_blank">12084015</a>, PubMed:<a href="http://www.uniprot.org/citations/15314155" target="\_blank">15314155</a>, PubMed:<a href="http://www.uniprot.org/citations/17897950" target="\_blank">17897950</a>, PubMed:<a href="http://www.uniprot.org/citations/19874889" target="\_blank">19874889</a>, PubMed:<a href="http://www.uniprot.org/citations/20233726" target="\_blank">20233726</a>, PubMed:<a href="http://www.uniprot.org/citations/24724799" target="\_blank">24724799</a>, PubMed:<a href="http://www.uniprot.org/citations/28992046" target="\_blank">28992046</a>). Inhibits the degradation of target proteins by the proteasome (PubMed:<a href="http://www.uniprot.org/citations/12084015" target="\_blank">12084015</a>). 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:<a href="http://www.uniprot.org/citations/24724799" target="\_blank">24724799</a>). Plays a role in the regulation of pathways leading to NF-kappa-B activation (PubMed:<a href="http://www.uniprot.org/citations/17897950" target="\_blank">17897950</a>, PubMed:<a href="http://www.uniprot.org/citations/19874889" target="\_blank">19874889</a>). Plays a role in the regulation of DNA repair after double-stranded DNA breaks (PubMed:<a href="http://www.uniprot.org/citations/15314155" target="\_blank">15314155</a>, PubMed:<a href="http://www.uniprot.org/citations/20233726" target="\_blank">20233726</a>). 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:<a href="http://www.uniprot.org/citations/20601937" target="\_blank">20601937</a>). Promotes cell proliferation by deubiquitinating phosphorylated E2F1 (PubMed:<a href="http://www.uniprot.org/citations/28992046" target="\_blank">28992046</a>).

### Cellular Location

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

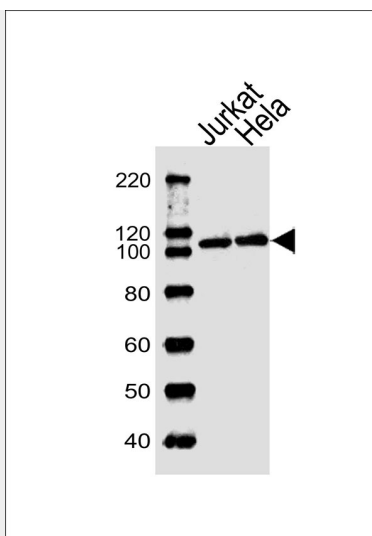
## USP11 Antibody (N-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

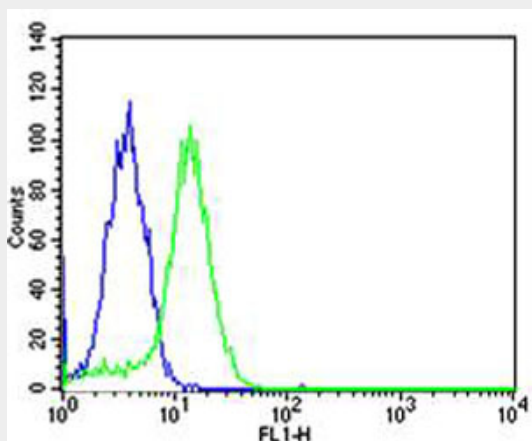
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## USP11 Antibody (N-term) - 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.

### USP11 Antibody (N-term) - 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.

### USP11 Antibody (N-term) - References

- Ross M.T., et al. Nature 434:325-337(2005).
- Ideguchi H., et al. Biochem. J. 367:87-95(2002).
- Swanson D.A., et al. Hum. Mol. Genet. 5:533-538(1996).
- Schoenfeld A.R., et al. Mol. Cell. Biol. 24:7444-7455(2004).
- Yamaguchi T., et al. J. Biol. Chem. 282:33943-33948(2007).