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USP11 Antibody (N-term)

Purified Mouse Monoclonal Antibody (Mab)
Catalog # AW5070

Specification

USP11 Antibody (N-term) - Product Information

Application	**WB, FC,E**
Primary Accession	P51784
Reactivity	**Human**
Host	**Mouse**
Clonality	**Monoclonal**
Calculated MW	**H=110 KDa**
Isotype	**IgG1,κ**
Antigen Source	**HUMAN**

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:12084015, PubMed:15314155, PubMed:17897950, PubMed:19874889, PubMed:20233726, PubMed:28992046, PubMed:24724799). 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:20601937, PubMed:20233726).

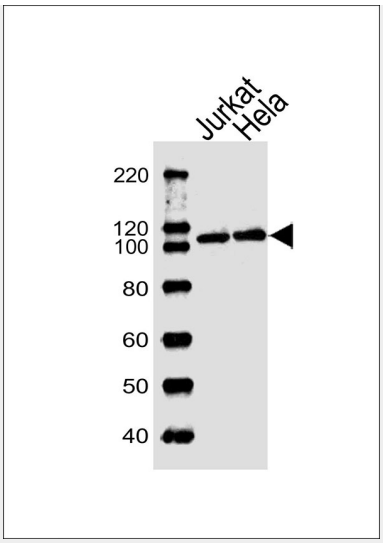
USP11 Antibody (N-term) - Protocols

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

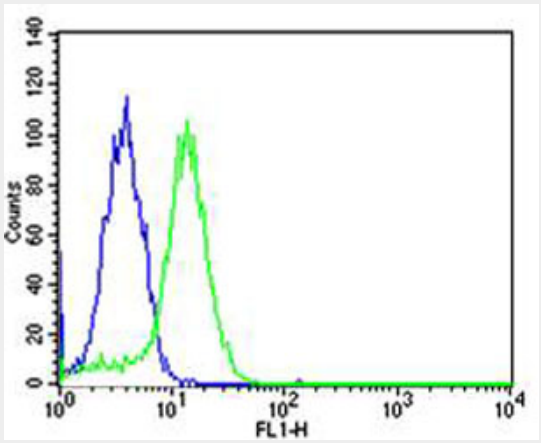
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

USP11 Antibody (N-term) - Images

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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).
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