

**Anti-USP11 Antibody**  
**Rabbit polyclonal antibody to USP11**  
**Catalog # AP59737****Specification**

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**Anti-USP11 Antibody - Product Information**

|                   |                                  |
|-------------------|----------------------------------|
| Application       | <b>WB</b>                        |
| Primary Accession | <a href="#">P51784</a>           |
| Other Accession   | <a href="#">O99K46</a>           |
| Reactivity        | <b>Human, Mouse, Rat, Monkey</b> |
| Host              | <b>Rabbit</b>                    |
| Clonality         | <b>Polyclonal</b>                |
| Calculated MW     | <b>109817</b>                    |

**Anti-USP11 Antibody - Additional Information****Other Names**

UHX1; Ubiquitin carboxyl-terminal hydrolase 11; Deubiquitinating enzyme 11; Ubiquitin thioesterase 11; Ubiquitin-specific-processing protease 11

**Target/Specificity**

Recognizes endogenous levels of USP11 protein.

**Dilution**

WB~~WB (1/500 - 1/1000)

**Format**

Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

**Storage**

Store at -20 °C. Stable for 12 months from date of receipt

**Anti-USP11 Antibody - Protein Information**

**Name** USP11

**Synonyms** UHX1

**Function**

Protease that can remove conjugated ubiquitin from target proteins and polyubiquitin chains  
(PubMed: [12084015](http://www.uniprot.org/citations/12084015)),  
PubMed: [15314155](http://www.uniprot.org/citations/15314155)),  
PubMed: [17897950](http://www.uniprot.org/citations/17897950)),  
PubMed: [19874889](http://www.uniprot.org/citations/19874889)),  
PubMed: [20233726](http://www.uniprot.org/citations/20233726)),  
PubMed: [24724799](http://www.uniprot.org/citations/24724799)),  
PubMed: [28992046](http://www.uniprot.org/citations/28992046)).

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

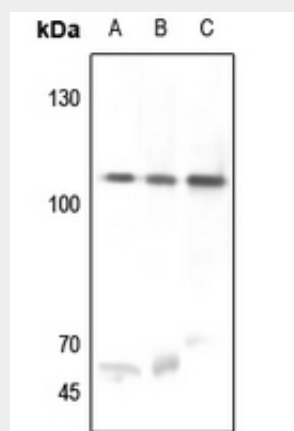
Nucleus. Cytoplasm. Chromosome. Note=Predominantly nuclear (PubMed:12084015, PubMed:15314155). Associates with chromatin (PubMed:20233726, PubMed:20601937).

#### Anti-USP11 Antibody - 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](#)

#### Anti-USP11 Antibody - Images



Western blot analysis of USP11 expression in U2OS (A), mouse testis (B), rat testis (C) whole cell lysates.

#### Anti-USP11 Antibody - Background

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human USP11. The exact sequence is proprietary.