

**USP11 Antibody**  
Rabbit mAb  
Catalog # AP91545

## Specification

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### USP11 Antibody - Product Information

Application	WB, FC, ICC, IP
Primary Accession	<a href="#">P51784</a>
Reactivity	Rat
Clonality	Monoclonal
<b>Other Names</b>	
UHX1; USP11;	
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	109817 Da

### USP11 Antibody - Additional Information

Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human USP11
Description	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.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

### 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: [12084015](http://www.uniprot.org/citations/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](http://www.uniprot.org/citations/24724799)). Plays a role in the regulation of pathways leading to NF-kappa-B activation (PubMed: [17897950](http://www.uniprot.org/citations/17897950), PubMed: [19874889](http://www.uniprot.org/citations/19874889)). Plays a role in the regulation of DNA repair after double-stranded DNA breaks (PubMed: [15314155](http://www.uniprot.org/citations/15314155), PubMed: [20233726](http://www.uniprot.org/citations/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](http://www.uniprot.org/citations/20601937)). Promotes cell proliferation by deubiquitinating phosphorylated E2F1 (PubMed: [28992046](http://www.uniprot.org/citations/28992046)).

#### Cellular Location

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

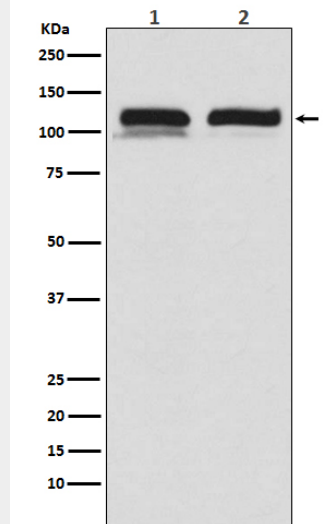
#### USP11 Antibody - Protocols

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](#)

#### USP11 Antibody - Images





Western blot analysis of USP11 expression in (1) HEK293 cell lysate; (2) Mouse testis lysate.