

**USP11 Polyclonal Antibody**  
Catalog # AP73011**Specification****USP11 Polyclonal Antibody - Product Information**

Application	IF
Primary Accession	<a href="#">P51784</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal

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

USP11; UHX1; Ubiquitin carboxyl-terminal hydrolase 11; Deubiquitinating enzyme 11; Ubiquitin thioesterase 11; Ubiquitin-specific-processing protease 11

**Dilution**

IF~IF: 1:50-200 Western Blot: 1/500 - 1/2000. ELISA: 1/20000. Not yet tested in other applications.

**Format**

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

**Storage Conditions**

-20°C

**USP11 Polyclonal 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:<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

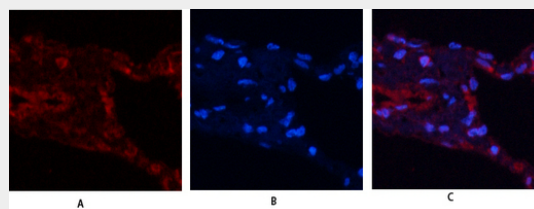
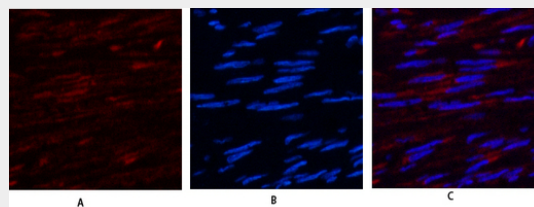
Nucleus. Cytoplasm. Chromosome. Note=Predominantly nuclear (PubMed:12084015, PubMed:15314155). Associates with chromatin (PubMed:20233726, PubMed:20601937).

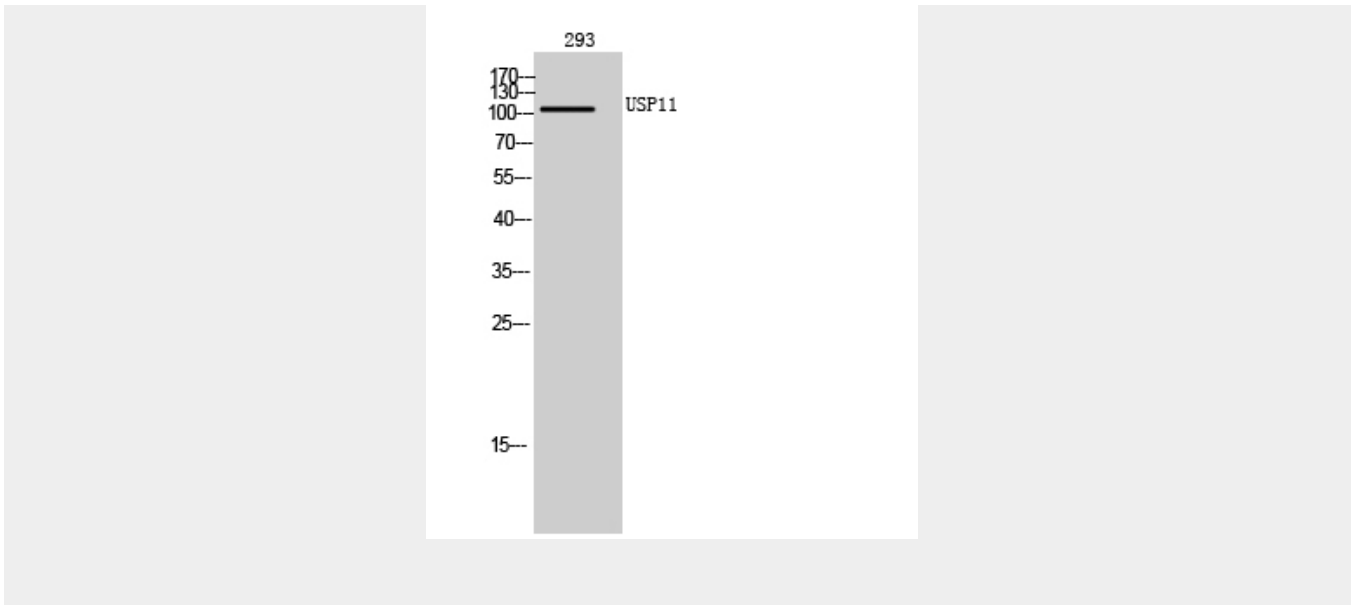
### USP11 Polyclonal Antibody - Protocols

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 Polyclonal Antibody - Images





### USP11 Polyclonal Antibody - Background

Protease that can remove conjugated ubiquitin from target proteins and polyubiquitin chains (PubMed:12084015, PubMed:15314155, PubMed:17897950, PubMed:19874889, PubMed:20233726, 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).