

# Anti-USP11 Antibody

Rabbit polyclonal antibody to USP11

Catalog # AP59737

## Product Information

Application	WB
Primary Accession	<a href="#">P51784</a>
Other Accession	<a href="#">Q99K46</a>
Reactivity	Human, Mouse, Rat, Monkey
Host	Rabbit
Clonality	Polyclonal
Calculated MW	109817

## 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

## Protein Information

Name	USP11
Synonyms	UHX1
Function	<p>Protease that can remove conjugated ubiquitin from target proteins and polyubiquitin chains (PubMed:<a href="#">12084015</a>, PubMed:<a href="#">15314155</a>, PubMed:<a href="#">17897950</a>, PubMed:<a href="#">19874889</a>, PubMed:<a href="#">20233726</a>, PubMed:<a href="#">24724799</a>, PubMed:<a href="#">28992046</a>). Inhibits the degradation of target proteins by the proteasome (PubMed:<a href="#">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="#">24724799</a>). Plays a role in the regulation of pathways leading to NF-kappa-B activation (PubMed:<a href="#">17897950</a>, PubMed:<a href="#">19874889</a>). Plays a role in the regulation of DNA repair after double-stranded DNA breaks (PubMed:<a href="#">15314155</a>, PubMed:<a href="#">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="#">20601937</a>).</p>

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:20233726, PubMed:20601937).

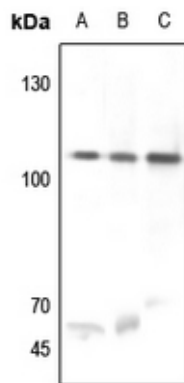
## Background

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

## Images

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

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