

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

Specification

Anti-USP11 Antibody - Product Information

Application	WB
Primary Accession	P51784
Other Accession	O99K46
Reactivity	Human, Mouse, Rat, Monkey
Host	Rabbit
Clonality	Polyclonal
Calculated MW	109817

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: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

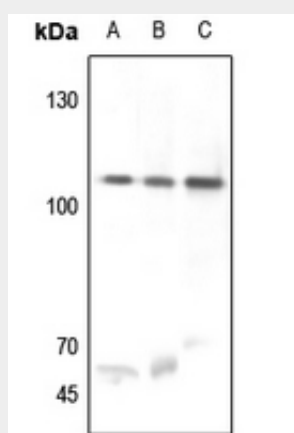
Nucleus. Cytoplasm. Chromosome. Note=Predominantly nuclear (PubMed:12084015, PubMed:15314155). Associates with chromatin (PubMed:20233726, PubMed:20601937).

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.