

Anti-USP11 Antibody

Rabbit polyclonal antibody to USP11

Catalog # AP59737

Product Information

Application	WB
Primary Accession	P51784
Other Accession	Q99K46
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	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human USP11. The exact sequence is proprietary.
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:12084015, PubMed:15314155, PubMed:17897950, PubMed:19874889, PubMed:20233726, PubMed:24724799, PubMed: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</p>

deubiquitinating components of the PRC1-like complex (PubMed:[20601937](#)). Promotes cell proliferation by deubiquitinating phosphorylated E2F1 (PubMed:[28992046](#)).

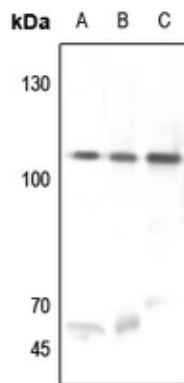
Cellular Location

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

Background

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

Images



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

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