

USP11 Antibody

Rabbit mAb

Catalog # AP91545

Product Information

Application WB, IF, FC, ICC, IP
Primary Accession [P51784](#)
Reactivity Rat, Human, Mouse
Clonality Monoclonal
Other Names UHX1; USP11;

Isotype Rabbit IgG
Host Rabbit
Calculated MW 109817

Additional Information

Dilution WB 1:500~1:2000 ICC/IF 1:50~1:200 IP 1:100 FC 1:200
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.

Protein Information

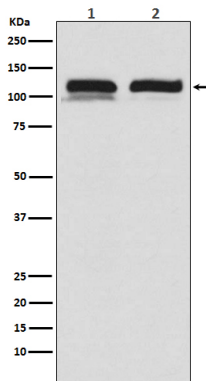
Name USP11
Synonyms UHX1
Function Protease that can remove conjugated ubiquitin from target proteins and polyubiquitin chains (PubMed:[12084015](#), PubMed:[15314155](#), PubMed:[17897950](#), PubMed:[19874889](#), PubMed:[20233726](#), PubMed:[24724799](#), PubMed:[28992046](#)). Inhibits the degradation 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 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).

Images



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

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