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KD-Validated Anti-Ubiquitin Specific Peptidase 11 Rabbit Monoclonal Antibody

Rabbit monoclonal antibody
Catalog # AGI1386

Product Information

Application	WB, FC, ICC
Primary Accession	P51784
Reactivity	Human, Mouse
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Names	25GB3310
Calculated MW	109817
Gene Name	USP11
Aliases	USP11; Ubiquitin Specific Peptidase 11; UHX1; Ubiquitin Carboxyl-Terminal Hydrolase 11; Deubiquitinating Enzyme 11 3 4 Ubiquitin Thioesterase 11; Ubiquitin Carboxyl-Terminal Hydrolase, X-Linked; Ubiquitin-Specific Processing Protease 11; Ubiquitin-Specific-Processing Protease 11; Ubiquitin Specific Protease 11; Ubiquitin Thiolesterase 11; EC 3.4.19.12; EC 3.1.2.15
Immunogen	A synthesized peptide derived from human USP11

Additional Information

Other Names	Ubiquitin carboxyl-terminal hydrolase 11, 3.4.19.12, Deubiquitinating enzyme 11, Ubiquitin thioesterase 11, Ubiquitin-specific-processing protease 11, USP11, UHX1

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).

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