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Anti-USP11 Monoclonal Antibody

Catalog # ABO14520

Product Information

Application	WB, IF, ICC, IP, FC
Primary Accession	P51784
Host	Rabbit
Isotype	Rabbit IgG
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Format	Liquid
Description	Anti-USP11 Monoclonal Antibody . Tested in WB, ICC/IF, IP, Flow Cytometry applications. This antibody reacts with Human, Mouse, Rat.

Additional Information

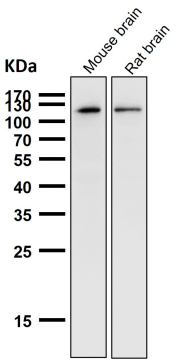
Other Names	Ubiquitin carboxyl-terminal hydrolase 11, 3.4.19.12, Deubiquitinating enzyme 11, Ubiquitin thioesterase 11, Ubiquitin-specific-processing protease 11, USP11, UHX1
Calculated MW	109817
Application Details	WB 1:500-1:2000 ICC/IF 1:50-1:200 IP 1:100 FC 1:200
Source	Eukaryota
Contents	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.
Clone Names	Clone: ADCC-21
Immunogen	A synthesized peptide derived from human USP11 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.
Purification	Affinity-chromatography
Storage	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.

Protein Information

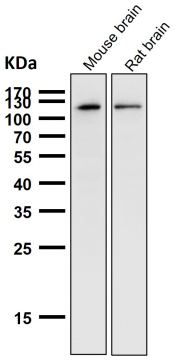
Name	USP11

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

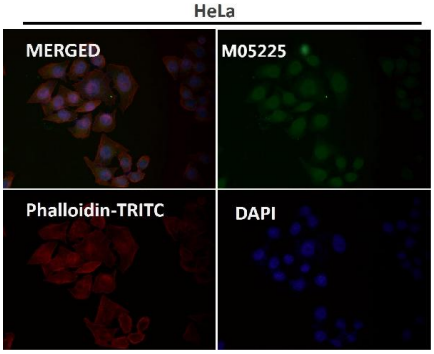


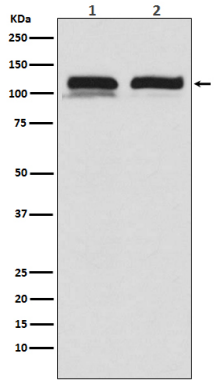
All lanes use the Antibody at 1:1K dilution for 1 hour at room temperature.



All lanes use the Antibody at 1:1K dilution for 1 hour at room temperature.

Immunofluorescent analysis using the Antibody at 1:150 dilution.





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