Anti-UBP37 antibody

Description	Unconjugated Rabbit polyclonal to UBP37

Model	STJ191578
Host	Rabbit
Reactivity	Human
Applications	ELISA, WB
Gene ID	57695
Gene Symbol	USP37
Dilution range	WB 1:500-2000 ELISA 1:5000-20000
Specificity	UBP37 Polyclonal Antibody detects endogenous levels of protein.
Tissue Specificity	Expressed in brain and prostate.
Purification	UBP37 antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	Ubiquitin carboxyl-terminal hydrolase 37 Deubiquitinating enzyme 37 Ubiquitin thioesterase 37 Ubiquitin-specific-processing protease 37
Molecular Weight	107 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG

Formulation	Liquid form in PBS containing 50% glycerol,and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:20063OMIM:NA
Alternative Names	Ubiquitin carboxyl-terminal hydrolase 37 Deubiquitinating enzyme 37 Ubiquitin thioesterase 37 Ubiquitin-specific-processing protease 37
Function	Deubiquitinase that antagonizes the anaphase-promoting complex (APC/C) during G1/S transition by mediating deubiquitination of cyclin-A (CCNA1 and CCNA2), thereby promoting S phase entry. Specifically mediates deubiquitination of 'Lys-11'-linked polyubiquitin chains, a specific ubiquitin-linkage type mediated by the APC/C complex. Also mediates deubiquitination of 'Lys-48'-linked polyubiquitin chains in vitro. Phosphorylation at Ser-628 during G1/S phase maximizes the deubiquitinase activity, leading to prevent degradation of cyclin-A (CCNA1 and CCNA2) . Plays an important role in the regulation of DNA replication by stabilizing the licensing factor CDT1 .
Sequence and Domain Family	The KEN box 3 is required for interaction with FZR1/CDH1 and is essential for APC(CDH1)-mediated ubiquitination.
Post-translational Modifications	Polyubiquitinated via 'Lys-11'-linked ubiquitin by the APC(CDH1) complex during late mitosis, leading to its degradation. Able to mediate auto-deubiquitination. Phosphorylated at Ser-628 by CDK2 during G1/S phase but not during mitosis; phosphorylation at Ser-628 is required for deubiquitinase activity. Also polyubiquitinated during early G1 phase, without leading to degradation.