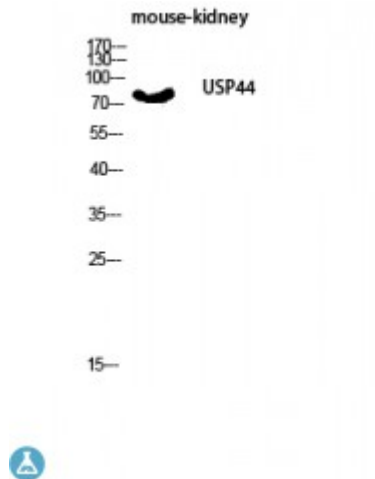


Anti-USP44 antibody



Description	Rabbit polyclonal to USP44.
Model	STJ96206
Host	Rabbit
Reactivity	Human
Applications	ELISA, WB
Immunogen	Synthesized peptide derived from human USP44
Immunogen Region	180-260 aa, Internal
Gene ID	84101
Gene Symbol	USP44
Dilution range	WB 1:500-1:2000ELISA 1:40000
Specificity	USP44 Polyclonal Antibody detects endogenous levels of USP44 protein.
Tissue Specificity	Expressed in testis. Expressed at high levels in T-cell acute lymphoblastic leukemia.
Purification	The 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 44 Deubiquitinating enzyme 44 Ubiquitin thioesterase 44 Ubiquitin-specific-processing protease 44
Molecular Weight	81 kDa
Clonality	Polyclonal

Conjugation	Unconjugated
Isotype	IgG
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:20064OMIM:610993
Alternative Names	Ubiquitin carboxyl-terminal hydrolase 44 Deubiquitinating enzyme 44 Ubiquitin thioesterase 44 Ubiquitin-specific-processing protease 44
Function	Deubiquitinase that plays a key regulatory role in the spindle assembly checkpoint or mitotic checkpoint by preventing premature anaphase onset. Acts by specifically mediating deubiquitination of CDC20, a negative regulator of the anaphase promoting complex/cyclosome (APC/C). Deubiquitination of CDC20 leads to stabilize the MAD2L1-CDC20-APC/C ternary complex (also named mitotic checkpoint complex), thereby preventing premature activation of the APC/C. Promotes association of MAD2L1 with CDC20 and reinforces the spindle assembly checkpoint. Acts as a negative regulator of histone H2B (H2BK120ub1) ubiquitination.
Cellular Localization	Nucleus. Peaks in interphase, with relatively low levels maintained throughout mitosis.
Post-translational Modifications	Dephosphorylated by CTDP1.; Ubiquitinated; undergoes both 'Lys-48'- and 'Lys-63'-linked polyubiquitination and is degraded by the proteasome.

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