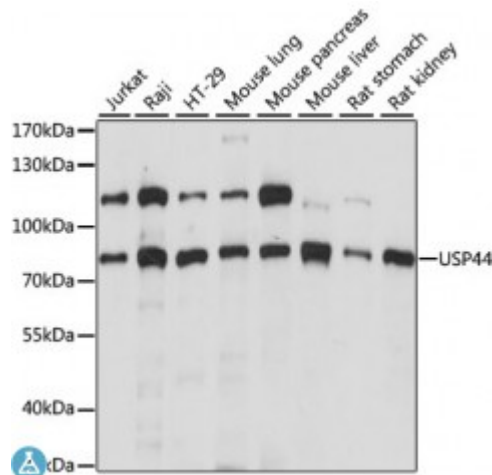


Anti-USP44 Antibody



Description

The protein encoded by this gene is a protease that functions as a deubiquitinating enzyme. The encoded protein is thought to help regulate the spindle assembly checkpoint by preventing early anaphase onset. This protein specifically deubiquitinates CDC20, which stabilizes the anaphase promoting complex/cyclosome.

Model	STJ117723
Host	Rabbit
Reactivity	Human, Mouse, Rat
Applications	WB
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 100-270 of human USP44 (NP_115523.2).
Gene ID	84101
Gene Symbol	USP44
Dilution range	WB 1:200 - 1:2000
Tissue Specificity	Expressed in testis, Expressed at high levels in T-cell acute lymphoblastic leukemia
Purification	Affinity purification
Note	For Research Use Only (RUO).
Protein Name	Ubiquitin carboxyl-terminal hydrolase 44
Molecular Weight	81.185 kDa
Clonality	Polyclonal

Conjugation	Unconjugated
Isotype	IgG
Formulation	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Storage Instruction	Store at -20C. Avoid freeze / thaw cycles.
Database Links	HGNC:20064OMIM:610993Reactome:R-HSA-5689880
Alternative Names	Ubiquitin carboxyl-terminal hydrolase 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
Post-translational Modifications	Dephosphorylated by CTDP1

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