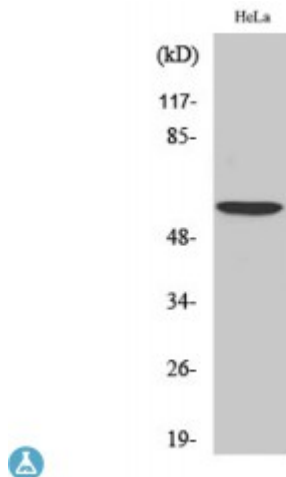


Anti-USP30 antibody



Description	Rabbit polyclonal to USP30.
Model	STJ96199
Host	Rabbit
Reactivity	Human, Mouse, Rat
Applications	ELISA, WB
Immunogen	Synthesized peptide derived from human USP30
Immunogen Region	1-80 aa, N-terminal
Gene ID	84749
Gene Symbol	USP30
Dilution range	WB 1:500-1:2000ELISA 1:10000
Specificity	USP30 Polyclonal Antibody detects endogenous levels of USP30 protein.
Tissue Specificity	Expressed in skeletal muscle, pancreas, liver and kidney.
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 30 Deubiquitinating enzyme 30 Ubiquitin thioesterase 30 Ubiquitin-specific-processing protease 30 Ub-specific protease 30
Molecular Weight	60 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:20065OMIM:612492
Alternative Names	Ubiquitin carboxyl-terminal hydrolase 30 Deubiquitinating enzyme 30 Ubiquitin thioesterase 30 Ubiquitin-specific-processing protease 30 Ub-specific protease 30
Function	Deubiquitinating enzyme tethered to the mitochondrial outer membrane that acts as a key inhibitor of mitophagy by counteracting the action of parkin (PRKN): hydrolyzes ubiquitin attached by parkin on target proteins, such as RHOT1/MIRO1 and TOMM20, thereby blocking parkin's ability to drive mitophagy . Preferentially cleaves 'Lys-6'- and 'Lys-11'-linked polyubiquitin chains, 2 types of linkage that participate to mitophagic signaling . Does not cleave efficiently polyubiquitin phosphorylated at 'Ser-65' . Acts as negative regulator of mitochondrial fusion by mediating deubiquitination of MFN1 and MFN2 .
Cellular Localization	Mitochondrion outer membrane
Post-translational Modifications	Ubiquitinated by parkin (PRKN) at Lys-235 and Lys-289, leading to its degradation.