Anti-Phospho-ULk1-(S757) Antibody

Model	STJ116374
Host	Rabbit
Reactivity	Human
Applications	WB
Immunogen	A synthetic phosphorylated peptide around S757 of human ULk1 (NP_003556.1).
Gene ID	8408
Gene Symbol	ULK1
Dilution range	WB 1:500 - 1:2000
Tissue Specificity	Ubiquitously expressed, Detected in the following adult tissues: skeletal muscle, heart, pancreas, brain, placenta, liver, kidney, and lung
Purification	Affinity purification
Note	For Research Use Only (RUO).
Protein Name	Serine/threonine-protein kinase ULK1
Molecular Weight	112.631 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:12558OMIM:603168Reactome:R-HSA-1632852

Alternative Names	Serine/threonine-protein kinase ULK1
Function	Serine/threonine-protein kinase involved in autophagy in response to starvation, Acts upstream of phosphatidylinositol 3-kinase PIK3C3 to regulate the formation of autophagophores, the precursors of autophagosomes, Part of regulatory feedback loops in autophagy: acts both as a downstream effector and negative regulator of mammalian target of rapamycin complex 1 (mTORC1) via interaction with RPTOR, Activated via phosphorylation by AMPK and also acts as a regulator of AMPK by mediating phosphorylation of AMPK subunits PRKAA1, PRKAB2 and PRKAG1, leading to negatively regulate AMPK activity, May phosphorylate ATG13/KIAA0652 and RPTOR
Cellular Localization	Cytoplasm, cytosol
Post-translational Modifications	Autophosphorylated, Phosphorylated under nutrient-rich conditions