ULK1 Rabbit pAb

db2872 **Package : 20μL 50μL 100μL**

Product Name : ULK1 Rabbit pAb
Cat.No.: db2872
Synonyms : ATG1; ATG1A; UNC51; hATG1; Unc51.1
Application : WB, IHC, ICC/IF
Reactivity : Human, Mouse, Rat
Host species : Rabbit

Background	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; however such data need additional evidences. Plays a role early in neuronal differentiation and is required for granule cell axon formation.
Immunogen	A synthetic peptide of human ULK1
Gene ID	8408
Swiss Prot	O75385
Synonyms	ATG1; ATG1A; UNC51; hATG1; Unc51.1
Reactivity	Human, Mouse, Rat
Application	WB, IHC, ICC/IF
Recommended dilution	WB: 1:2000 IHC: 1:50 ICC/IF: 1:20
Calculated MW	113 kDa
Observed MW	130 kDa
Host species	Rabbit
Clonality	Polyclonal
Isotype	IgG

Purity	Affinity Purification
Conjugation	Un-conjugated
Storage Stability	Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt.