

Recombinant

DGRmAb®

ULK1 (DGR13983) Rabbit mAb (PBS Only)

db15467-PBS

Package : 10µg 100µg

Product Name : ULK1 (DGR13983) Rabbit mAb (PBS Only)**Cat.No.:** db15467-PBS**Synonyms** : ATG1; ATG1A; UNC51; hATG1; Unc51.1**Application** : WB, IHC-P, 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-P, ICC/IF

Calculated MW

113 kDa

Observed MW

130 kDa

Host species

Rabbit

Clonality

Monoclonal

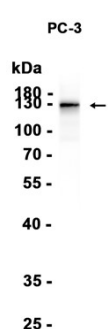
Clonality No.

DGR13983

Isotype

IgG

Purity	Affinity Purification
Conjugation	Un-conjugated
Concentration	1 mg/mL
Formulation	PBS Only
Storage Stability	Store at -20°C. Recommended to aliquot into single-use vials. Supplied in 1X PBS (pH 7.4). BSA and Azide Free. Stable for 12 months from date of receipt.



Western blot analysis of extracts from PC-3 cells using [db15467](#) at 1:1000.