

ULK1 (Phospho Ser555) rabbit pAb

Catalog No :	YP1542
Reactivity :	Human;Mouse
Applications :	WB
Target :	ULK1
Fields :	>>Mitophagy - animal;>>Autophagy - animal;>>mTOR signaling pathway;>>AMPK signaling pathway;>>Longevity regulating pathway;>>Alzheimer disease;>>Amyotrophic lateral sclerosis;>>Huntington disease;>>Spinocerebellar ataxia;>>Pathways of neurodegeneration - multiple diseases
Gene Name :	ULK1 KIAA0722
Protein Name :	ULK1 (Ser555)
Human Gene Id :	8408
Human Swiss Prot No :	O75385
Mouse Gene Id :	22241
Mouse Swiss Prot No :	O70405
Immunogen :	Synthesized phospho peptide around human ULK1 (Ser555)
Specificity :	This antibody detects endogenous levels of Human Mouse ULK1 (phospho-Ser555)
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:1000-2000
Purification :	The antibody was affinity-purified from rabbit serum by affinity-chromatography

using specific immunogen.

Concentration : 1 mg/ml

Storage Stability : -15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band : 115kD

Cell Pathway : Regulation of autophagy;mTOR;

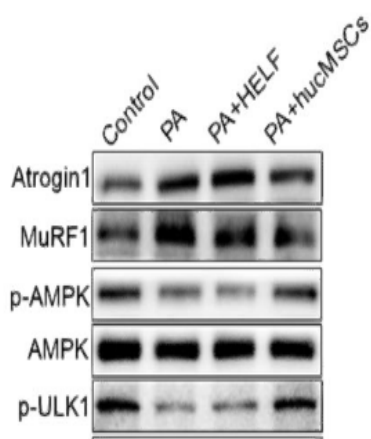
Function : catalytic activity:ATP + a protein = ADP + a phosphoprotein.,function:Involved in axon growth. Plays an essential role in neurite extension of cerebellar granule cells.,similarity:Belongs to the protein kinase superfamily. Ser/Thr protein kinase family. APG1/unc-51/ULK1 subfamily.,similarity:Contains 1 protein kinase domain.,subunit:Interacts with GABARAP and GABARAPL2.,tissue specificity:Ubiquitously expressed. Detected in the following adult tissues: skeletal muscle, heart, pancreas, brain, placenta, liver, kidney, and lung.,

Subcellular Location : Cytoplasm, cytosol . Preautophagosomal structure . Under starvation conditions, is localized to punctate structures primarily representing the isolation membrane that sequesters a portion of the cytoplasm resulting in the formation of an autophagosome. .

Expression : Ubiquitously expressed. Detected in the following adult tissues: skeletal muscle, heart, pancreas, brain, placenta, liver, kidney, and lung.

Products Images

(A)



Mesenchymal stromal cells ameliorate diabetes-induced muscle atrophy through exosomes by enhancing AMPK/ULK1-mediated autophagy *Journal of Cachexia Sarcopenia and Muscle* Li Chen WB Mouse tibialis anterior (TA) muscle

Western Blot analysis of various cell lysis(provided by our customer). Primary Antibody was diluted at 1:1000. Secondary antibody(catalog#:RS23920 was diluted at 1:10000

