

ULK1 (Phospho Ser555) Rabbit pAb

CatalogNo: YP1542 **Orthogonal Validated** 

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse

Applications

- WB

MW

- 115kD (Observed)

Isotype

- IgG

Storage

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

Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Recommended Dilution Ratios

WB 1:1000-2000

Basic Information

Clonality Polyclonal

Immunogen Information

Immunogen Synthesized phospho peptide around human ULK1 (Ser555)

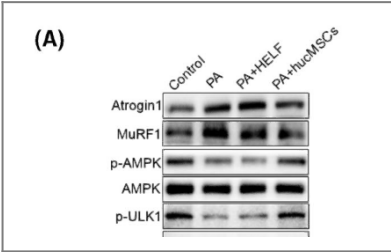
Specificity This antibody detects endogenous levels of Human Mouse ULK1 (phospho-Ser555)

Target Information

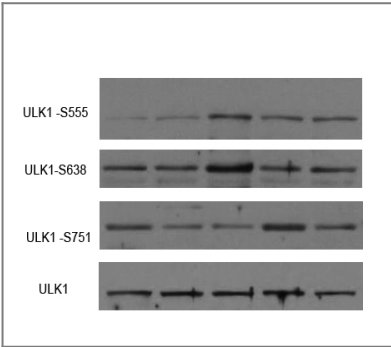
Gene name ULK1 KIAA0722

Protein Name	ULK1 (Ser555)		
	Organism	Gene ID	UniProt ID
	Human	8408;	O75385;
	Mouse	22241;	O70405;
Cellular Localization	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. .		
Tissue specificity	Ubiquitously expressed. Detected in the following adult tissues: skeletal muscle , heart , pancreas , brain , placenta , liver , kidney , and lung.		
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. ,		

| Validation Data



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

| Contact information

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Ser555) Rabbit pAb**

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