ULK1 Rabbit mAb

Catalog No: #59466

Package Size: #59466-1 50ul #59466-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	ULK1 Rabbit mAb
Host Species	Rabbit
Clonality	Monoclonal
Isotype	Rabbit IgG
Purification	Affinity-chromatography
Applications	WB IHC ICC/IF
Species Reactivity	Human Mouse Rat
Specificity	ULK1 Antibody detects endogenous levels of total ULK1
Immunogen Description	A synthesized peptide derived from human ULK1
Other Names	Serine/threonine-protein kinase ULK1; Autophagy-related protein 1 homolog; ATG1; Unc-51-like kinase 1; ULK1;
Accession No.	Uniprot:O75385
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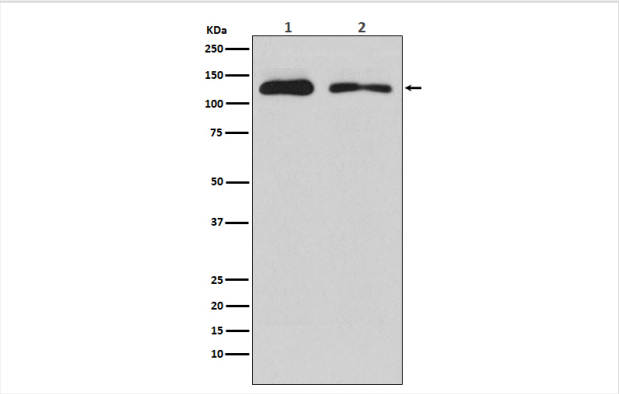
Formulation	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

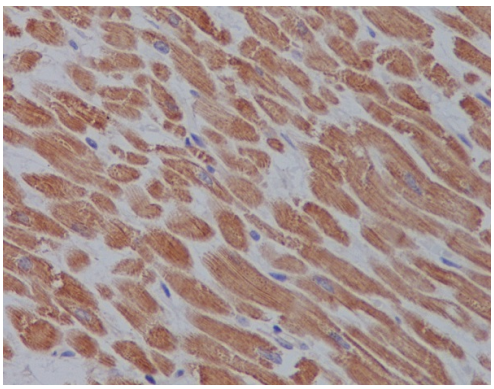
Application Details

WB 1:500~1:2000 IHC 1:50~1:200 ICC/IF 1:50~1:200

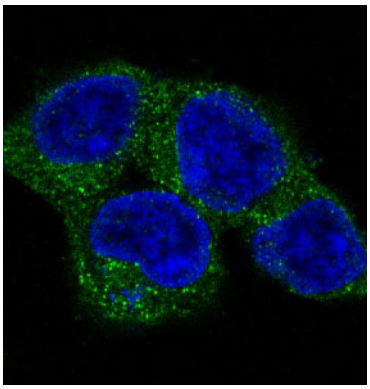
Images



Western blot analysis of ULK1 expression in (1) HEK293 cell lysate; (2) PC12 cell lysate.



Immunohistochemical analysis of paraffin-embedded human heart, using ULK1 Antibody.



Immunofluorescent analysis of 293 cells, using ULK1 Antibody
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Product Description

Act as a convergence point for multiple signals that control autophagy, and can bind to several autophagy-related (Atg) proteins, regulating phosphorylation states and protein trafficking. AMPK, activated during low nutrient conditions, directly phosphorylates ULK1 at multiple sites including Ser317, Ser555, and Ser777. Conversely, mTOR, which is a regulator of cell growth and an inhibitor of autophagy, phosphorylates ULK1 at Ser757 and disrupts the interaction between ULK1 and AMPK.

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Note: This product is for in vitro research use only