

Anti-ULK1 Rabbit pAb



WL03067

For Research Use Only. Not For Use In Diagnostic Procedures

Product Information

Product name	Anti-ULK1 Rabbit pAb	
Source	Rabbit	
Species reactivity	Human, Mouse, Rat	
Tested applications	WB	1:1000-1:2000
	IHC	1:100-1:400
	IF	1:500
Cellular localization	Cytoplasm.	
Pack size	50/100/200/500/1000µl	
Storage	Store at -20°C. Avoid freeze/thaw cycles.	
Storage buffer	Supplied in 20 mM phosphate (pH 7.5), 150 mM NaCl, 100 µg/ml BSA, 50% glycerol and less than 0.02% sodium azide	

General Information

Background

Two related serine/threonine kinases, UNC-51-like kinase 1 and 2 (ULK1, ULK2), were discovered as mammalian homologs of the *C. elegans* gene UNC-51 in which mutants exhibited abnormal axonal extension and growth. Both share homology with the UNC-51 kinase from *Caenorhabditis elegans* and the APG1 kinase in yeast, which are involved in axonal extension and growth, and autophagy, respectively. ULK1 is an important protein in autophagy. It is part of the ULK1-complex, which is needed in early steps of autophagosome biogenesis.

Immunogen

Polyclonal antibody is produced by immunizing animals with a synthetic peptide of ULK1.

Purification

Polyclonal antibody was purified by protein A affinity chromatography.

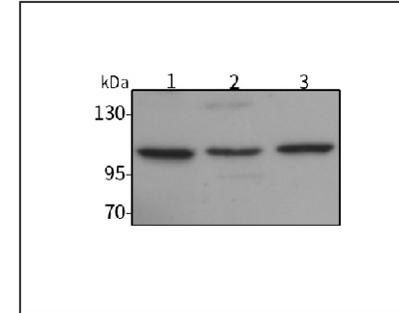
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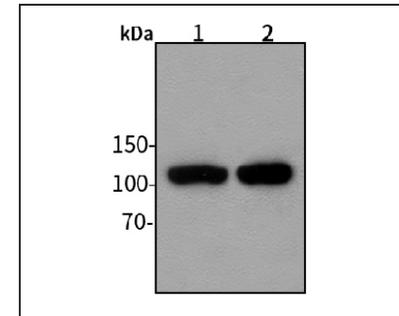
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Product Images



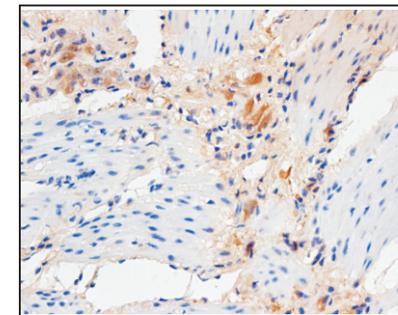
Western blot-Anti-ULK1 pAb

Lane 1: Human HeLa cell lysate
 Lane 2: Human A549 cell lysate
 Lane 3: Human HUVEC cell lysate
 All lanes: Anti-ULK1 at 1:1000 dilution
 Lysates/proteins at 20-50 µg per lane.
 Predicted band size: 113 kDa
 Observed band size: 113-140 kDa



Western blot-Anti-ULK1 pAb

Lane 1: Mouse brain tissue lysate
 Lane 2: Rat heart tissue lysate
 All lanes: Anti-ULK1 at 1:1000 dilution
 Lysates/proteins at 20-50 µg per lane.
 Predicted band size: 113 kDa
 Observed band size: 113-140 kDa



Immunohistochemistry-Anti-ULK1 pAb

Immunohistochemical analysis of paraffin-embedded mouse stomach using anti-ULK1 Rabbit Antibody at 1:250 dilution.
 Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0

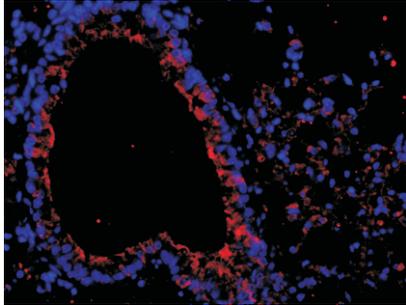
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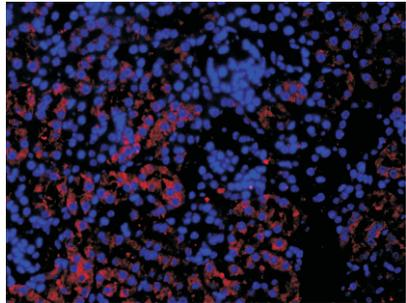
Product Information



Immunofluorescence-Anti-ULK1 pAb

Immunofluorescence analysis of paraffin-embedded mouse lung using anti-ULK1 Rabbit Antibody at 1:500 dilution.

Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0



Immunofluorescence-Anti-ULK1 pAb

Immunofluorescence analysis of paraffin-embedded mouse kidney using anti-ULK1 Rabbit Antibody at 1:500 dilution.

Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0