

Basic Information

Product Name	Anti-ULK1 Antibody (Clone#ABHH-21)	
Gene Name	ULK1	
Source	Rabbit	
Clonality	Monoclonal	
Isotype	IgG	
Species Reactivity	human, mouse, rat	
Tested Application	WB, IHC, ICC/IF	
Contents	500 ug/ml; Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide, 0.4-0.5 mg/ml BSA and 50% glycerol.	
Immunogen	A synthesized peptide derived from human ULK1	
Concentration	500 ug/ml	
Purification	Affinity-chromatography	
Observed MW	130-150 kDa	
Dilution Ratios	Western blot (WB):	1:500-2000
	Immunohistochemistry (IHC):	1:50-200
	Immunocytochemistry/Immunofluorescence (ICC/IF):	1:50-200

Storage

12 months from date of receipt, -20°C as supplied.

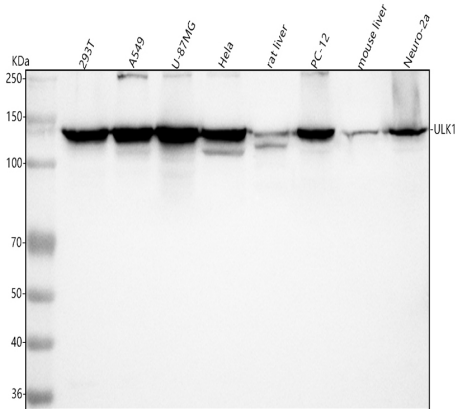
Background Information

ULK1 is an enzyme that in humans is encoded by the ULK1 gene. It is mapped to 12q24.33. Unc-51 like autophagy activating kinase (ULK1/2) are two similar isoforms of an enzyme that in humans are encoded by the ULK1/2 genes. It is specifically a kinase that is involved with autophagy, particularly in response to amino acid withdrawal. Not many studies have been done comparing the two isoforms, but some differences have been recorded.

Reference

Anti-ULK1 Antibody (Clone#ABHH-21)被引用在3文献中。

Selected Validation Data



Western blot analysis of anti-ULK1 antibody (BM5170). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.

Lane 1: human 293T whole cell lysates,

Lane 2: human A549 whole cell lysates,

Lane 3: human U-87MG whole cell lysates,

Lane 4: human Hela whole cell lysates,

Lane 5: rat liver tissue lysates,

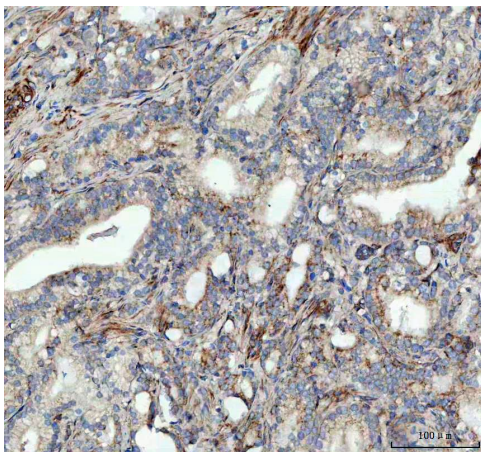
Lane 6: rat PC-12 whole cell lysates,

Lane 7: mouse liver tissue lysates,

Lane 8: mouse Neuro-2a whole cell lysates.

After electrophoresis, proteins were transferred to a membrane.

Then the membrane was incubated with rabbit anti-ULK1 antigen affinity purified monoclonal antibody (BM5170) at a dilution of 1:1000 and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for ULK1 at approximately 130 kDa. The expected band size for ULK1 is at 113 kDa.



IHC analysis of ULK1 using anti-ULK1 antibody (BM5170) .

ULK1 was detected in a paraffin-embedded section of human prostate cancer tissue. The tissue section was incubated with rabbit anti-ULK1 Antibody (BM5170) at a dilution of 1:200 and developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB (Catalog # AR1027) as the chromogen.

Product datasheet

Anti-ULK1 Antibody (Clone#ABHH-21)

Catalog Number: **BM5170**

BOSTER[®]

antibody and ELISA experts

BOSTER BIOLOGICAL TECHNOLOGY

Building C21, 3rd to 5th Floors, Optics Valley Biopharmaceutical Accelerator,
East Lake High-Tech Development Zone, Wuhan.

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