

Datasheet for ABIN3029448
anti-ULK1 antibody (pSer556)



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3 Images

Overview

Quantity:	0.4 mL
Target:	ULK1
Binding Specificity:	pSer556
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ULK1 antibody is un-conjugated
Application:	ELISA, Dot Blot (DB), Immunofluorescence (IF)

Product Details

Immunogen:	This phospho-ULK1 antibody was produced from rabbits immunized with a KLH conjugated synthetic phosphopeptide corresponding to amino acid residues surrounding pS556 of human ULK1.
Isotype:	Ig Fraction
Purification:	Antigen affinity purified

Target Details

Target:	ULK1
Alternative Name:	ULK1 (ULK1 Products)
Background:	Involved in autophagy. Required for autophagosome formation (By similarity). Target of the TOR kinase signaling pathway that regulates autophagy through the control of phosphorylation

Target Details

status of ATG13/KIAA0652 and ULK1, and the regulation of the ATG13-ULK1-RB1CC1 complex (By similarity). Phosphorylates ATG13/KIAA0652. Involved in axon growth (By similarity). Plays an essential role in neurite extension of cerebellar granule cells (By similarity). [UniProt]

UniProt: [O75385](#)

Pathways: [Regulation of Cell Size, Autophagy](#)

Application Details

Application Notes: Titration of the phospho-ULK1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Immunofluorescence: 1:200, Dot blot: 1:500

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: In 1X PBS, pH 7.4, with 0.09 % sodium azide

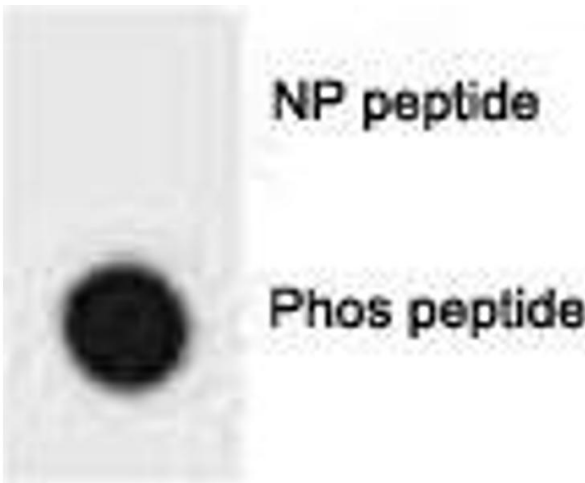
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C

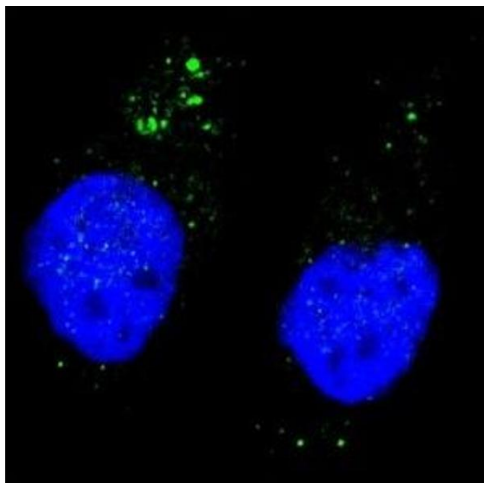
Storage Comment: Aliquot the phospho-ULK1 antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.

Images



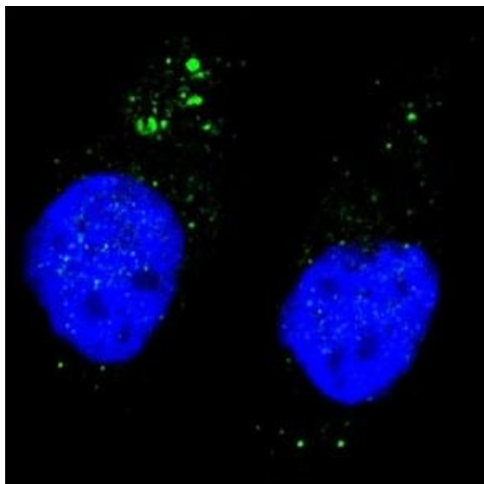
Dot Blot

Image 1. Dot blot analysis of phospho-ULK1 antibody. 50ng of phos-peptide or nonphos-peptide per dot were spotted.



Immunofluorescence

Image 2. Fluorescent image of Chloroquine treated U251 cells stained with phospho-ULK1 antibody at 1:200. Immunoreactivity is localized to autophagic vacuoles in the cytoplasm.



Immunofluorescence

Image 3. Fluorescent image of Chloroquine treated U251 cells stained with phospho-ULK1 antibody at 1:200. Immunoreactivity is localized to autophagic vacuoles in the cytoplasm.