

Datasheet for ABIN392693
anti-ULK2 antibody (C-Term)



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1 Image

Overview

Quantity:	400 µL
Target:	ULK2
Binding Specificity:	AA 612-643, C-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ULK2 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	This ULK2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 612-643 amino acids from the C-terminal region of human ULK2.
Clone:	RB03022
Isotype:	Ig Fraction
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Target Details

Target:	ULK2
Alternative Name:	ULK2 (ULK2 Products)

Target Details

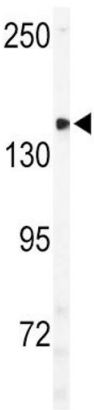
Background:	Macroautophagy is the major inducible pathway for the general turnover of cytoplasmic constituents in eukaryotic cells, it is also responsible for the degradation of active cytoplasmic enzymes and organelles during nutrient starvation. Macroautophagy involves the formation of double-membrane bound autophagosomes which enclose the cytoplasmic constituent targeted for degradation in a membrane bound structure, which then fuse with the lysosome (or vacuole) releasing a single-membrane bound autophagic bodies which are then degraded within the lysosome (or vacuole). Two human homologs of the yeast autophagy-specific kinase exist: ULK1(APG1) and ULK2. APG1 plays a critical role in regulating key elements of the autophagy pathway. APG1 stimulates autophagy, leading to autophagy-dependent restriction of cell growth and ultimately cell apoptosis at high levels of activity, and is a negative regulator of mTOR signaling.
Molecular Weight:	112694
Gene ID:	9706
NCBI Accession:	NP_001136082 , NP_055498
UniProt:	Q8IYT8
Pathways:	Regulation of Cell Size , Autophagy

Application Details

Application Notes:	WB: 1:1000
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) 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:	4 °C, -20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months



Western Blotting

Image 1. Western blot analysis of ULK2 Antibody (C-term) (ABIN392693 and ABIN2842179) in mouse brain tissue lysates (35 µg/lane). ULK2(arrow) was detected using the purified Pab.