

Datasheet for ABIN6991859
anti-ULK2 antibody (AA 480-530)



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Overview

Quantity:	0.1 mg
Target:	ULK2
Binding Specificity:	AA 480-530
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ULK2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (IF)

Product Details

Immunogen:	ULK2 antibody was raised against a 17 amino acid peptide near the center of human ULK2 . The immunogen is located within amino acids 480 - 530 of ULK2.
Isotype:	IgG
Specificity:	At least two isoforms of ULK2 are known to exist, this antibody will detect both isoforms. ULK2 antibody is predicted to not cross-react with ULK1.
Purification:	ULK2 Antibody is affinity chromatography purified via peptide column.

Target Details

Target:	ULK2
Alternative Name:	ULK2 (ULK2 Products)

Target Details

Background:	ULK2 Antibody: ULK2, also known as ATG1B, is a key serine/threonine protein kinase probably acting at the most upstream step of autophagosome formation. Knockout of ULK2 results in a severe defect in the autophagy pathway. ULK2 is highly conserved among eukaryotes and shows high homology with its related protein ULK1. Both ULK1 and ULK2 form a complex with ATG13 and FIP200 that mediates TOR signaling and is essential for autophagy. Like ULK1, ULK2 is also thought to be involved in early neuronal growth and differentiation.
Molecular Weight:	Predicted: 105, 114 kDa Observed: 100 kDa
Gene ID:	9706
NCBI Accession:	NP_055498
UniProt:	Q8IYT8
Pathways:	Regulation of Cell Size, Autophagy

Application Details

Application Notes:	ULK2 Antibody can be used for detection of ULK2 by Western blot at 1 µg/mL. Antibody validated: Western Blot in human samples, Immunohistochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	ULK2 Antibody is supplied in PBS containing 0.02 % 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, 4 °C
Storage Comment:	ULK2 antibody can be stored at 4°C for three months and -20°C, stable for up to one year.