

Anti-ULK2 Antibody

Catalog Number: A05219-1

About ULK2

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.

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Overview

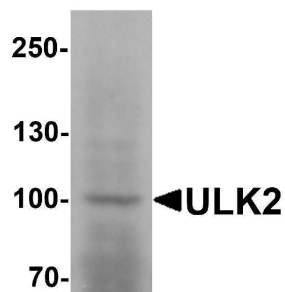
Product Name	Anti-ULK2 Antibody
Reactive Species	Human
Description	Boster Bio Anti-ULK2 Antibody (Catalog # A05219-1). Tested in ELISA, WB, IHC-P, IF applications. This antibody reacts with Human.
Application	ELISA, IF, IHC-P, WB
Clonality	Polyclonal
Formulation	ULK2 Antibody is supplied in PBS containing $\leq 0.09\%$ sodium azide.
Storage Instructions	ULK2 antibody can be stored at 4°C, stable for up to one year.
Host	Rabbit
Uniprot ID	Q8IYT8

Technical Details

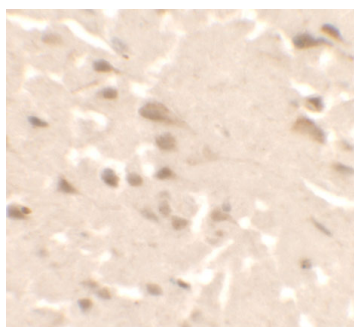
Immunogen	ULK2 antibody was raised against a 17 amino acid peptide near the center of human ULK2 . The immunogen is located within amino acids 480 - 530 of ULK2.
Predicted Reactive Species	Mouse
Cross Reactivity	At least two isoforms of ULK2 are known to exist; this antibody will detect both isoforms. ULK2 antibody is predicted to not cross-react with ULK1.

Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	ULK2 Antibody is affinity chromatography purified via peptide column.
Suggested Dilutions	ULK2 Antibody can be used for detection of ULK2 by Western blot at 1 ug/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. Optimal dilutions for each application should be determined by the researcher.

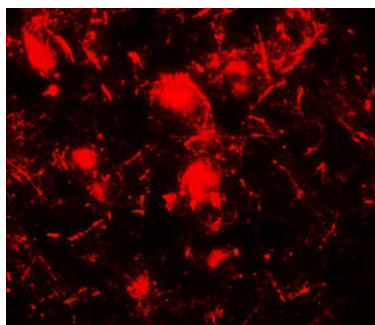
Anti-ULK2 Antibody (A05219-1) Images



Western blot analysis of ULK2 in human brain tissue lysate with ULK2 antibody at 1 ug/mL.



Immunohistochemistry of ULK2 in human brain tissue with ULK2 antibody at 2.5 ug/ml.



Immunofluorescence of ULK2 in human brain tissue with ULK2 antibody at 20 ug/ml.

Anti-ULK2 Antibody

For Research Use Only. Not for use in diagnostic procedures.