

Anti-ULK4 Antibody

Catalog Number: A08552

About ULK4

ULK4 belongs to the Ser/Thr protein kinase superfamily and plays a role in the ATP-dependent phosphorylation of target proteins (1). Knockout of ULK genes results in a severe defect in the autophagy pathway (2). ULK4, like the other Unc-51-like kinases such as ULK1, ULK2 and ULK3, is highly conserved among eukaryotes (3). ULK4 has been implicated as a gene involved in the development of hydrocephalus (3). This neurologic disorder is being used in animal models to elucidate factors responsible for the excessive accumulation of cerebrospinal fluid in hydrocephalic humans (4).

Overview

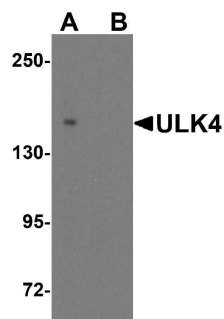
Product Name	Anti-ULK4 Antibody
Reactive Species	Human, Mouse
Description	Boster Bio Anti-ULK4 Antibody (Catalog # A08552). Tested in ELISA, WB, IHC-P, IF applications. This antibody reacts with Human, Mouse.
Application	ELISA, IF, IHC-P, WB
Clonality	Polyclonal
Formulation	ULK4 antibody is supplied in PBS containing 0.02% sodium azide.
Storage Instructions	ULK4 antibody can be stored at 4°C for three months and -20°C, stable for up to one year.
Host	Rabbit
Uniprot ID	Q96C45

Technical Details

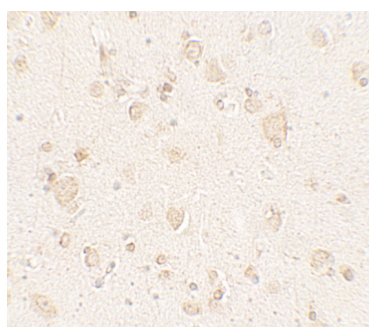
Immunogen	ULK4 antibody was raised against a 16 amino acid peptide near the carboxy terminus of human ULK4. The immunogen is located within amino acids 1120 - 1170 of ULK4.
Predicted Reactive Species	Bovine
Cross Reactivity	ULK4 antibody is human and mouse reactive. Multiple isoforms of ULK4 are known to exist.
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	ULK4 antibody is affinity chromatography purified via peptide column.
Suggested Dilutions	ULK4 antibody can be used for detection of ULK4 by Western blot at 0.5 ug/ml. Antibody can also be used for Immunohistochemistry starting at 5 ug/mL. For immunofluorescence start at 20 ug/mL.

Antibody validated: Western Blot in mouse 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.

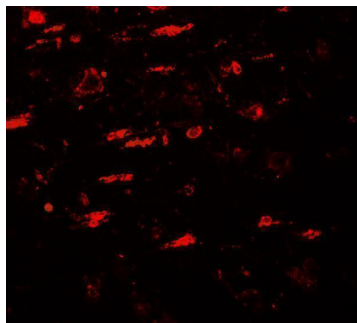
Anti-ULK4 Antibody (A08552) Images



Western blot analysis of ULK4 in 3T3 cell lysate with ULK4 antibody at 0.5 ug/ml in (A) the absence and (B) the presence of blocking peptide.



Immunohistochemistry of ULK4 in human brain tissue with ULK4 antibody at 5 ug/mL.



Immunofluorescence of ULK4 in human brain tissue with ULK4 antibody at 20 ug/mL.

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Anti-ULK4 Antibody

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