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Datasheet for ABIN6991935  
**anti-ULK4 antibody (C-Term)**

### Overview

Quantity:	0.1 mg
Target:	ULK4 (ULK24)
Binding Specificity:	AA 1120-1170, C-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ULK4 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

### Product 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.
Isotype:	IgG
Specificity:	ULK4 antibody is human and mouse reactive. Multiple isoforms of ULK4 are known to exist.
Purification:	ULK4 antibody is affinity chromatography purified via peptide column.

### Target Details

Target:	ULK4 (ULK24)
Alternative Name:	ULK4 ( <a href="#">ULK24 Products</a> )

## Target Details

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**Background:** 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).

**Molecular Weight:** Predicted: 140 kDa

Observed: 165 kDa

**Gene ID:** 54986

**NCBI Accession:** [NP\\_060356](#)

**UniProt:** [Q96C45](#)

## Application Details

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**Application Notes:** ULK4 antibody can be used for detection of ULK4 by Western blot at 0.5 µg/mL. Antibody can also be used for Immunohistochemistry starting at 5 µg/mL. For immunofluorescence start at 20 µg/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.

**Restrictions:** For Research Use only

## Handling

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**Format:** Liquid

**Concentration:** 1 mg/mL

**Buffer:** ULK4 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

## Handling

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Storage Comment: ULK4 antibody can be stored at 4°C for three months and -20°C, stable for up to one year.