

Datasheet for ABIN5690313
anti-ULK4 antibody (AA 1120-1170)



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Overview

Quantity:	0.1 mg
Target:	ULK4 (ULK24)
Binding Specificity:	AA 1120-1170
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)
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Target Details

Alternative Name:	ULK4 (ULK24 Products)
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

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.
Restrictions:	For Research Use only

Handling

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