

Rabbit ULK2 Polyclonal Antibody | anti-ULK2 antibody

ULK2 Antibody

CATALOG # AAA328162	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS ELISA, Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

ULK2; Polyclonal Antibody; ULK2 Antibody; ATG1B; KIAA0623; Serine/threonine protein kinase ULK2; Serine/threonine-protein kinase ULK2; ULK2_HUMAN; Unc 51 (C. elegans) like kinase 2; Unc 51 like autophagy activating kinase 2; Unc 51 like kinase 2; Unc-51-like kinase 2; Unc51.2; anti-ULK2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	ULK2 antibody detects endogenous levels of total ULK2
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	1036
Applicable Applications for anti-ULK2 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human ULK2, corresponding to a region within the internal amino acids.
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)

AAA328162 at 1/100 staining Human kidney tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)

Western blot analysis ULK2 using Jurkat whole cell lysates

ADDITIONAL INFORMATION

Related Product Information for anti-ULK2 antibody	Function: Serine/threonine-protein kinase involved in autophagy in response to starvation. Acts upstream of phosphatidylinositol 3-kinase PIK3C3 to regulate the formation of autophagophores, the precursors of autophagosomes. Part of regulatory feedback loops in autophagy: acts both as a downstream effector and a negative regulator of mammalian target of rapamycin complex 1 (mTORC1) via interaction with RPTOR. Activated via phosphorylation by AMPK, also acts as a negative regulator of AMPK through phosphorylation of the AMPK subunits PRKAA1, PRKAB2 and PRKAG1. May phosphorylate ATG13/KIAA0652, FRS2, FRS3 and RPTOR; however such data need additional evidences. Not involved in ammonia-induced autophagy or in autophagic response of cerebellar granule neurons (CGN) to low potassium concentration. Plays a role early in neuronal differentiation and is required for granule cell axon formation: may govern axon formation via Ras-like GTPase signaling and through regulation of the Rab5-mediated endocytic pathways within developing axons. Similarity: The CTD-like region mediates membrane-binding and incorporation into large protein complexes. Belongs to the protein kinase superfamily. Ser/Thr protein kinase family. APG1/unc-51/ULK1 subfamily.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	217330559
NCBI GeneID	9706
NCBI Accession #	NP_001136082.1
NCBI GenBank Nucleotide #	NM_001142610.1
UniProt Accession #	Q8IYT8; O75119; A8MY69
Molecular Weight	113 kDa
NCBI Official Full Name	serine/threonine-protein kinase ULK2
NCBI Official Synonym Full Names	unc-51 like autophagy activating kinase 2
NCBI Official Symbol	ULK2
NCBI Official Synonym Symbols	ATG1B; Unc51.2
NCBI Protein Information	serine/threonine-protein kinase ULK2
UniProt Protein Name	Serine/threonine-protein kinase ULK2
UniProt Gene Name	ULK2
UniProt Synonym Gene Names	KIAA0623

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/ulk2-antibody-immunohistochemistry-western-blot-elisa/328162>