

Rabbit ULK2 Polyclonal Antibody | anti-ULK2 antibody

ULK2 Antibody (N-term)

CATALOG # AAA288063	HOST Rabbit	REACTIVITY Human (Predicted Reactivity: Mouse)	APPLICATIONS Immunohistochemistry, ELISA, Western Blot
-------------------------------	-----------------------	--	--

PRODUCT SYNONYMS

ULK2; Polyclonal Antibody; ULK2 Antibody (N-term); Serine/threonine-protein kinase ULK2; Unc-51-like kinase 2; KIAA0623; anti-ULK2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Mouse)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This ULK2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 235-264 amino acids from the N-terminal region of human ULK2.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	235-264
Sequence Length	1036
Applicable Applications for anti-ULK2 antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Formalin-fixed and paraffin-embedded human brain tissue reacted with ULK2 antibody (N-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



WB (Western Blot)

Western blot analysis of anti-ULK2 Antibody (N-term) in K562 cell line lysates (35ug/lane). ULK2 (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-ULK2 antibody	Macroautophagy is the major inducible pathway for the general turnover of cytoplasmic constituents in eukaryotic cells, it is also responsible for the degradation of active cytoplasmic enzymes and organelles during nutrient starvation. Macroautophagy involves the formation of double-membrane bound autophagosomes which enclose the cytoplasmic constituent targeted for degradation in a membrane bound structure, which then fuse with the lysosome (or vacuole) releasing a single-membrane bound autophagic bodies which are then degraded within the lysosome (or vacuole). Two human homologs of the yeast autophagy-specific kinase exist: ULK1(APG1) and ULK2. APG1 plays a critical role in regulating key elements of the autophagy pathway. APG1 stimulates autophagy, leading to autophagy-dependent restriction of cell growth and ultimately cell apoptosis at high levels of activity, and is a negative regulator of mTOR signaling.
Product Categories/Family for anti-ULK2 antibody	Signal Transduction; GPCR Antibodies
References	Yan, J., et al., Oncogene 18(43):5850-5859 (1999).

NCBI AND UNIPROT INFORMATION

NCBI GI #	217330559
NCBI GeneID	9706
NCBI Accession #	NP_001136082.1; NP_055498.3
NCBI GenBank Nucleotide #	NM_001142610.1
UniProt Accession #	Q8IYT8; O75119; A8MY69
Molecular Weight	112694
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
UniProt Entry Name	ULK2_HUMAN

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/ulk2-antibody-immunohistochemistry-western-blot-elisa/288063>