

Rabbit ULK1 Polyclonal Antibody | anti-ULK1 antibody

Anti-ULK1 Antibody (Internal) IHC-plus

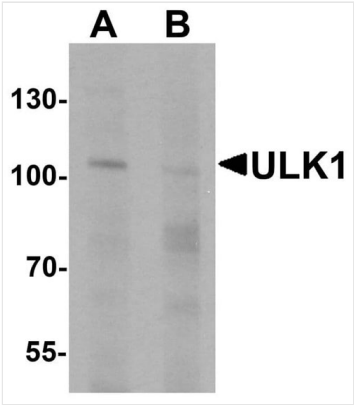
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA162155	Rabbit	Mouse, Rat, Human	ELISA, Western Blot, Immunofluorescence, Immunohistochemistry

PRODUCT SYNONYMS

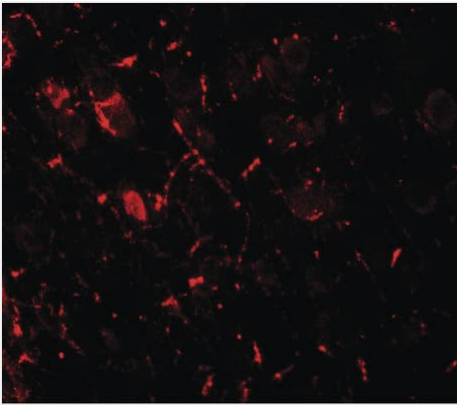
ULK1; Polyclonal Antibody; Anti-ULK1 Antibody (Internal) IHC-plus; Rabbit Polyclonal (IgG) to Human ULK1; Human ULK1; ATG1A; ATG1; HATG1; KIAA0722; Unc-51-like kinase 1; Unc51.1; UNC51; anti-ULK1 antibody

PRODUCT SPECIFICATIONS

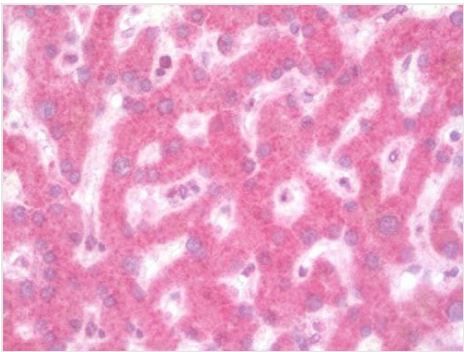
Host	Rabbit
Reactivity	Mouse, Rat, Human
Clonality	Polyclonal
Isotype	IgG
Specificity	Two alternatively spliced transcript variants encoding different isoforms have been identified. ULK1 antibody is predicted to not cross-react with ULK2.
Purity/Purification	Immunoaffinity purified
Form/Format	PBS, 0.02% sodium azide.
Concentration	1 mg/ml (varies by lot)
Sequence Length	1050
Applicable Applications for anti-ULK1 antibody	ELISA, WB (Western Blot), IF (Immunofluorescence), IHC (Immunohistochemistry)
Immunogen	ULK1 antibody was raised against 16 amino acid peptide near the center of human ULK1.
Immunogen Description	16 amino acid peptide near the center of human ULK1.
Antigen Modification	Internal
Target Species	Human
Preparation and Storage	Long term: -20 degree C Short term: 4 degree C Avoid repeat freeze-thaw cycles



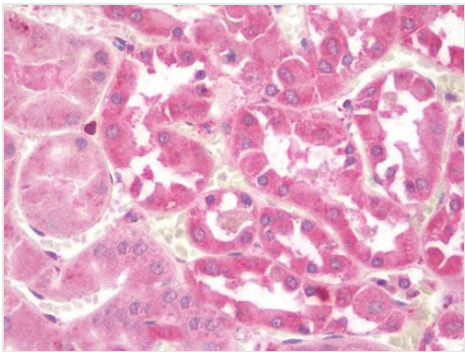
WB (Western Blot)
Western blot analysis of ULK1 in rat brain tissue lysate with ULK1 antibody at 1 ug/ml in (A) the absence and (B) the presence of blocking peptide.



IF (Immunofluorescence)
Immunofluorescence of ULK1 in rat brain tissue with ULK1 antibody at 20 ug/ml.



IHC (Immunohistochemistry)
Anti-ULK1 antibody IHC staining of human liver. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.



IHC (Immunohistochemistry)
Anti-ULK1 antibody IHC staining of human kidney. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody concentration 10 ug/ml.

ADDITIONAL INFORMATION

Related Product Information for anti-ULK1 antibody	ULK1 Antibody, ATG1A Antibody, ATG1 Antibody, HATG1 Antibody, KIAA0722 Antibody, Unc-51-like kinase 1 Antibody, Unc51.1 Antibody, UNC51 Antibody Description: 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 negative regulator of mammalian target of rapamycin complex 1 (mTORC1) via interaction with RPTOR.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4507831
NCBI GeneID	8408
NCBI Accession #	NP_003556.1
NCBI GenBank Nucleotide #	NM_003565.2
UniProt Accession #	O75385; Q9UQ28
Molecular Weight	112,631 Da
NCBI Official Full Name	serine/threonine-protein kinase ULK1
NCBI Official Synonym Full Names	unc-51 like autophagy activating kinase 1
NCBI Official Symbol	ULK1

NCBI Official Synonym Symbols	ATG1; ATG1A; UNC51; hATG1; Unc51.1
NCBI Protein Information	serine/threonine-protein kinase ULK1
UniProt Protein Name	Serine/threonine-protein kinase ULK1
UniProt Gene Name	ULK1
UniProt Synonym Gene Names	KIAA0722; ATG1; hATG1
UniProt Entry Name	ULK1_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.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/ulk1-antibody-western-blot-immunofluorescence-immunohistochemistry-elisa/162155>