

ULK1 recombinant antibody

ULK1 Rabbit mAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA315444	Rabbit	Human, Mouse, Rat	Immunofluorescence, Immunocytochemistry, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

ULK1; Monoclonal Recombinant Antibody; ULK1 Rabbit mAb; Serine/threonine-protein kinase ULK1; Autophagy-related protein 1 homolog; ATG1; Unc-51-like kinase 1; ULK1 recombinant antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Isotype	Rabbit IgG
Specificity	ULK1 Antibody detects endogenous levels of total ULK1
Purity/Purification	Affinity-chromatography
Form/Format	Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Applicable Applications for ULK1 recombinant antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human ULK1
Preparation and Storage	Store at +4 degree C short term. Store at -20 degree C long term. Avoid freeze/thaw cycle.

IMAGES



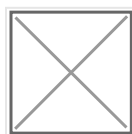
IF (Immunofluorescence)

Immunofluorescent analysis of 293 cells, using ULK1 Antibody .



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded human heart, using ULK1 Antibody.



WB (Western Blot)

Western blot analysis of ULK1 expression in (1) HEK293 cell lysate; (2) PC12 cell lysate.

ADDITIONAL INFORMATION

Related Product Information for ULK1 recombinant antibody	Act as a convergence point for multiple signals that control autophagy, and can bind to several autophagy-related (Atg) proteins, regulating phosphorylation states and protein trafficking. AMPK, activated during low nutrient conditions, directly phosphorylates ULK1 at multiple sites including Ser317, Ser555, and Ser777. Conversely, mTOR, which is a regulator of cell growth and an inhibitor of autophagy, phosphorylates ULK1 at Ser757 and disrupts the interaction between ULK1 and AMPK.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4507831
NCBI GeneID	8408
NCBI Accession #	NP_003556
NCBI GenBank Nucleotide #	NM_003565.2
UniProt Accession #	O75385; Q9UQ28
Molecular Weight	Predicted: 116 kDa
	Observed: 105 kDa
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; ATG1 autophagy related 1 homolog; autophagy-related protein 1 homolog
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/monoclonal/ulk1-recombinant-antibody-immunofluorescence-immunocytochemistry-immunohistochemistry-western-blot-elisa/315444>