

Rabbit ULK1 Polyclonal Antibody | anti-ULK1 antibody

ULK1 Antibody: ATTO 390

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA104186	Rabbit	Human; Mouse; Rat	Immunofluorescence, Immunocytochemistry, Western Blot

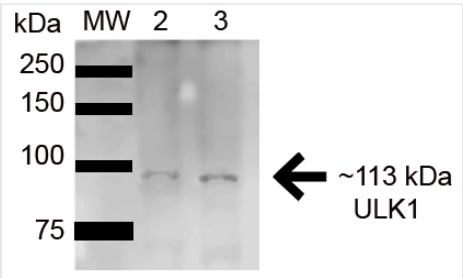
PRODUCT SYNONYMS

ULK1; Polyclonal Antibody; ULK1 Antibody: ATTO 390; Rabbit Anti-Human ULK1 Polyclonal; Unc-51 like kinase 1 (C. elegans) Antibody; Autophagy related protein 1 homolog Antibody; Autophagy-related protein 1 homolog Antibody; FLJ38455 Antibody; Serine/threonine-protein kinase ULK1 Antibody; Unc51.1 Antibody; ATG1A Antibody; UNC51; C. elegans; homolog of Antibody; EC:2.7.11.1 Antibody; Serine/threonine protein kinase Unc51.1 Antibody; FLJ46475 Antibody; ATG 1 Antibody; hATG1 Antibody; ATG1 Antibody; Unc-51-like kinase 1 Antibody; Serine/threonine protein kinase ULK1 Antibody; ULK1 Antibody; Unc 51 like kinase 1 Antibody; KIAA0722 Antibody; UNC 51 Antibody; ULK 1 Antibody; ULK1_HUMAN Antibody; UNC51 Antibody; Unc 51 (C. elegans) like kinase 1 Antibody; ATG1 autophagy related 1 homolog Antibody; anti-ULK1 antibody

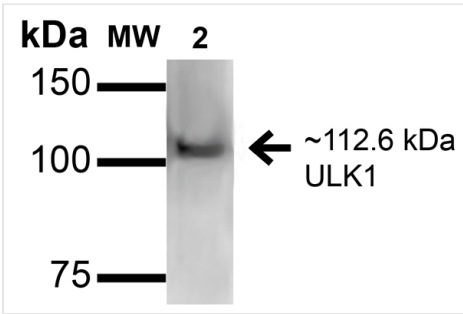
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human; Mouse; Rat
Clonality	Polyclonal
Specificity	Detects ~100 kDa.
Purity/Purification	Peptide Affinity Purified
Concentration	1 mg/ml (varies by lot)
Sequence Length	1050
Applicable Applications for anti-ULK1 antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot)
Target	ULK1
Immunogen	Synthetic peptide from the mid-protein of Human ULK1 (aa. 567-577)
Immunogen Species	Human
Cellular Localization	Cytoplasm; Cytosol; Preautophagosomal Structure
Conjugate	ATTO 390
Storage Buffer	PBS, 50% glycerol, 0.09% sodium azide
Tissue Specificity	Ubiquitously expressed. Detected in the following adult tissues: skeletal muscle, heart, pancreas, brain, placenta, liver, kidney, and lung.
Preparation and Storage	Store at -20 degree C.

IMAGES



WB (Western Blot)
Western blot analysis of Rat Brain cell lysates showing detection of ~112.6kDa ULK1 protein using Rabbit Anti-ULK1 Polyclonal Antibody (SPC-640). Lane 1: Molecular Weight Ladder (MW). Lane 2: Rat Brain cell lysates. Load: 15 ug. Block: 2% GE Healthcare Blocker (RT, 60 minutes). Primary Antibody: Rabbit Anti-ULK1 Polyclonal Antibody (SPC-640) at 1:1000 for 16 hours at 4 degree C. Secondary Antibody: Goat Anti-Rabbit IgG: HRP at 1/2000 for 60 min at RT. Color Development: ECL solution for 6 min at RT. Predicted/Observed Size: ~112.6kDa.



WB (Western Blot)
Western blot analysis of Human HeLa and HEK293Trap cell lysates showing detection of 112.6 kDa ULK1 protein using Rabbit Anti-ULK1 Polyclonal Antibody (SPC-640). Lane 1: Molecular Weight Ladder (MW). Lane 2: Human HeLa and 293Trap cell lysates. Load: 15 ug. Block: 5% Skim Milk in 1X TBST. Primary Antibody: Rabbit Anti-ULK1 Polyclonal Antibody (SPC-640) at 1:1000 for 1 hour at RT. Secondary Antibody: Goat Anti-Rabbit HRP at 1:2000 for 60 min at RT. Color Development: ECL solution for 6 min in RT. Predicted/Observed Size: 112.6 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-ULK1 antibody	UNC-51 like kinase 1 (ULK1) is widely expressed and contains an amino-terminal kinase domain followed by a central proline-serine rich domain and a highly conserved carboxy-terminal domain. It has been linked to axon growth and is essential for autophagy. Structurally, ULK1 is similar to ATG1, and it appears that both Atg1/ULK1 can bind to several ATG proteins regulating phosphorylation states and protein trafficking.
Product Categories/Family for anti-ULK1 antibody	Antibodies ; Neuroscience ; Cell Signaling ; Cardiovascular System ; Heart ; Cell Signaling ; Protein Phosphorylation ; Serine/Threonine Kinases ; Cell Signaling ; Metabolism ; Mitochondrial Metabolism
References	1. Okazaki N., et al. (2000) Brain Res Mol Brain Res. 85: 1-12. 2. Young A.R., et al. (2006) J Cell Sci. 119: 3888-900. 3. Kamada Y., et al. (2000) J Cell Biol. 150: 1507-13. 4. Lee S.B, et al. (2007) EMBO Rep. 8: 360-5. 5. Hara T., et al. (2008) J Cell Biol. 181: 497-510.

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

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/ulk1-antibody-immunofluorescence-immunocytochemistry-western-blot-elisa/104186>