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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Product Number	ARP54261_P050-FITC
Product Page	www.avivasysbio.com/ulk1-antibody-n-terminal-region-fitc-arp54261-p050-fitc.html
Name	ULK1 Antibody - N-terminal region : FITC (ARP54261_P050-FITC)
Protein Size (# AA)	1050 amino acids
Molecular Weight	112kDa
Conjugation	FITC: Fluorescein Isothiocyanate
NCBI Gene Id	8408
Host	Rabbit
Clonality	Polyclonal
Concentration	0.5 mg/ml
Gene Full Name	unc-51-like kinase 1 (C. elegans)
Alias Symbols	ATG1, ATG1A, UNC51, hATG1, Unc51.1
Peptide Sequence	Synthetic peptide located within the following region: PEVIMSQHYDGGKADLWSIGTIVYQCLTGKAPFQASSPQDLRLFYEKNTL
Product Format	Liquid. Purified antibody supplied in 1x PBS buffer.
Description of Target	ULK1 is a serine/threonine-protein kinase involved in autophagy in response to starvation. It 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. It is activated via phosphorylation by AMPK and also acts as a regulator of AMPK by mediating phosphorylation of AMPK subunits PRKAA1, PRKAB2 and PRKAG1, leading to negatively regulate AMPK activity. It may phosphorylate ATG13/KIAA0652 and RPTOR; however such data need additional evidences and plays a role early in neuronal differentiation and is required for granule cell axon formation.
Protein Interactions	SESN2; SQSTM1; ATG16L1; EXOC8; EXOC2; BECN1; RALB; AMBRA1; ULK1; UBC; TRAF6; MBP; ATG13; MAP1LC3C; MAP1LC3A; MAP1LC3B; GABARAPL1; GABARAPL2; GABARAP; MLST8; RPTOR; MTOR; PPP1CA; ATG4B; CDC37; G3BP1; RB1CC1; USP10; PRKAG1; PRKAB2; PRKAA2; PRKAA1; SYNGAP1;
Reconstitution and Storage	All conjugated antibodies should be stored in light-protected vials or covered with a light protecting material (i.e. aluminum foil). Conjugated antibodies are stable for at least 12 months at 4C. If longer storage is desired (24 months), conjugates may be diluted with up to 50% glycerol and stored at -20C to -80C. Freezing and thawing conjugated antibodies will compromise enzyme activity as well as antibody binding.
Datasheets/Manuals	Printable datasheet for anti-ULK1 (ARP54261_P050-FITC) antibody
Blocking Peptide	For anti-ULK1 (ARP54261_P050-FITC) antibody is Catalog # AAP54261
Immunogen	The immunogen is a synthetic peptide directed towards the N-terminal region of Human ULK1
Uniprot ID	O75385
Protein Name	Serine/threonine-protein kinase ULK1
Protein Accession #	NP_003556
Purification	Affinity Purified
Nucleotide Accession #	NM_003565
Gene Symbol	ULK1
Predicted Species Reactivity	Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse, Rabbit, Zebrafish
Application	WB

Predicted Homology Based on Immunogen Sequence	Cow: 100%; Dog: 100%; Guinea Pig: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Rabbit: 100%; Rat: 100%; Zebrafish: 100%
Image 1	

AVIVA SYSTEMS BIOLOGY manufactures and sells quality antibody products covering genome wide proteins.

This product is for Research Use Only. Not for diagnostic, human, or veterinary use.
Optimal conditions of its use should be determined by end users.