ULK3 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	ULK3, Polyclonal Antibody
Full Product Name	ULK3 Conjugated Antibody
Product Gene Name	anti-ULK3 antibody
Product Synonym Names	Serine/threonine-protein kinase ULK3; Unc-51-like kinase 3
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Specificity	Recognizes endogenous levels of ULK3 protein.
Preparation and Storage	Store at 4 degree C for 6 months.
Molecular Weight	53,444 Da
Chromosome Location	Chromosome: 15; NC_000015.9 (75128459..75135552, complement). Location: 15q24.1
OMIM	613472
3D Structure	ModBase 3D Structure for Q6PHR2
Immunogen	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human ULK3.
Conjugation	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Excitation Emission	AF350: 346nm/442nm
Applications Tested/Suitable for anti-ULK3 antibody	Most Applications
Application Notes for anti-ULK3 antibody	Suggested Dilution: AF350 conjugated: most applications: 1:50-1:250 AF405 conjugated: most applications: 1:50-1:250 AF488 conjugated: most applications: 1:50-1:250 AF555 conjugated: most applications: 1:50-1:250 AF594 conjugated: most applications: 1:50-1:250 AF647 conjugated: most applications: 1:50-1:250 AF680 conjugated: most applications: 1:50-1:250 AF750 conjugated: most applications: 1:50-1:250 Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1:50-1:1000
Related Product Information for anti-ULK3 antibody	MBS9455758 is an antibody targeting ULK3. Also known as ULK3 Conjugated Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.
Other Notes	Small volumes of anti-ULK3 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ULK3. It may not necessarily be applicable to this product.

NCBI GI #	150456432
NCBI GeneID	25989
NCBI Accession #	NP_001092906.1
UniProt Primary Accession #	Q6PHR2
UniProt Secondary Accession #	Q9NPN5; Q9UFS4; B2RXK3; B4DRQ7; D3DW68
UniProt Related Accession #	Q6PHR2
GenBank Nucleotide #	NM_001099436.1
NCBI Official Full Name	serine/threonine-protein kinase ULK3
NCBI Official Synonym Full Names	unc-51-like kinase 3 (C. elegans)
NCBI Official Symbol	ULK3
UniProt Protein Name	Serine/threonine-protein kinase ULK3
UniProt Synonym Protein Names	Unc-51-like kinase 3
Protein Family	Serine/threonine-protein kinase
UniProt Gene Name	ULK3
UniProt Entry Name	ULK3_HUMAN
NCBI Protein Information	serine/threonine-protein kinase ULK3
UniProt Comments for ULK3	ULK3: Serine/threonine protein kinase that acts as a regulator of Sonic hedgehog (SHH) signaling and autophagy. Acts as a negative regulator of SHH signaling in the absence of SHH ligand: interacts with SUFU, thereby inactivating the protein kinase activity and preventing phosphorylation of GLI proteins (GLI1, GLI2 and/or GLI3). Positively regulates SHH signaling in the presence of SHH: dissociates from SUFU, autophosphorylates and mediates phosphorylation of GLI2, activating it and promoting its nuclear translocation. Phosphorylates in vitro GLI2, as well as GLI1 and GLI3, although less efficiently. Also acts as a regulator of autophagy: following cellular senescence, able to induce autophagy. Belongs to the protein kinase superfamily. Ser/Thr protein kinase family. APG1/unc-51/ULK1 subfamily. 3 isoforms of the human protein are produced by alternative splicing. Protein type: EC 2.7.11.1; Protein kinase, Ser/Thr (non-receptor); Protein kinase, Other; Kinase, protein; Other group; ULK family Chromosomal Location of Human Ortholog: 15q24.1 Cellular Component: membrane; cytoplasm; cytosol Molecular Function: protein serine/threonine kinase activity; protein binding; ATP binding Biological Process: negative regulation of smoothened signaling pathway; protein amino acid autophosphorylation; positive regulation of smoothened signaling pathway; autophagy; regulation of autophagy; autophagic vacuole formation
Research Articles on ULK3	**1.** Observational study and meta-analysis of gene-disease association. (HuGE Navigator)
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