ULK3 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	ULK3, Polyclonal Antibody
Full Product Name	ULK3, ID (Serine/threonine-protein kinase ULK3, Unc-51-like kinase 3) (Biotin)
Product Gene Name	anti-ULK3 antibody
Product Synonym Names	Serine/threonine-protein kinase ULK3; Unc-51-like kinase 3
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Biotin.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
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	ULK3 antibody is generated from rabbits immunized with a KLH conjugated Synthetic peptide selected from the center region of human ULK3.
Conjugate	Biotin
Note	Preservative Free
Product Categories/Family for anti-ULK3 antibody	Antibodies; Protein Kinases
Applications Tested/Suitable for anti-ULK3 antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-ULK3 antibody	WB: 1:50-100 ELISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-ULK3 antibody	ULK3 is a member of the ULK kinase family, one of three human homologs of the yeast autophagy-specific kinase.
Product References and Citations for anti-ULK3 antibody	The MGC Project Team, Genome Res. 14:2121-2127(2004).
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.

Searchable Terms for ULK3 purchase	MBS6361401 is an antibody targeting ULK3. Also known as ULK3, ID (Serine/threonine-protein kinase ULK3, Unc-51-like kinase 3) (Biotin). Reactive in Human, Mouse. Host: Rabbit.

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)
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.

Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/polyclonal-human-mouse-antibody/ulk3/6361401