MOBKL1A Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	MOBKL1A, Polyclonal Antibody
Full Product Name	MOBKL1A, NT (Mps One Binder Kinase Activator-like 1A, Mob1 Homolog 1A, Mob1A, MATS2, MGC33910, MOB4A, Protein Mob4A) (MaxLight 750)
Product Gene Name	anti-MOBKL1A antibody
Product Synonym Names	MOB1; Mps One Binder Kinase Activator-like 1A (Yeast)
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight750.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human MOB4A.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight750 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	27 kDa (239aa) confirmed by MALDI-TOF
OMIM	609282
3D Structure	ModBase 3D Structure for Q7L9L4
Immunogen	Synthetic peptide selected from the N-terminal region of human MOB4A (KLH).
Conjugate	MaxLight750
Note	Preservative Free
Product Categories/Family for anti-MOBKL1A antibody	Antibodies; Protein Kinases
Applications Tested/Suitable for anti-MOBKL1A antibody	Immunohistochemistry (IHC), FLISA
Application Notes for anti-MOBKL1A antibody	IHC: 1:50 FLISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-MOBKL1A antibody	MBS6488332 is an antibody targeting MOBKL1A. Also known as MOBKL1A, NT (Mps One Binder Kinase Activator-like 1A, Mob1 Homolog 1A, Mob1A, MATS2, MGC33910, MOB4A, Protein Mob4A) (MaxLight 750). Reactive in Human. Host: Rabbit.
Product References and Citations for anti-MOBKL1A antibody	1. Bichsel, S.J., J. Biol. Chem. 279(34), 35228-35235 (2004). 2. Devroe, E., J. Biol. Chem. 279(23), 24444-24451 (2004).
Other Notes	Small volumes of anti-MOBKL1A 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 MOBKL1A. It may not necessarily be applicable to this product.

NCBI GI #	27735029
NCBI GeneID	92597
NCBI Accession #	NP_775739
UniProt Primary Accession #	Q7L9L4
UniProt Secondary Accession #	Q8IY23; B2R8U6; B4DRY3
UniProt Related Accession #	Q7L9L4
GenBank Nucleotide #	NM_173468.3
NCBI Official Full Name	MOB kinase activator 1B isoform 2
NCBI Official Synonym Full Names	MOB kinase activator 1B
NCBI Official Symbol	MOB1B
NCBI Official Synonym Symbols	MATS2; MOB4A; MOBKL1A
UniProt Protein Name	MOB kinase activator 1B
UniProt Synonym Protein Names	Mob1 homolog 1A; Mob1A; Mob1B; Mps one binder kinase activator-like 1A
UniProt Gene Name	MOB1B
UniProt Synonym Gene Names	MOB4A; MOBKL1A; Mob1A
UniProt Entry Name	MOB1B_HUMAN
NCBI Protein Information	MOB kinase activator 1B
NCBI Summary for MOBKL1A	The protein encoded by this gene is similar to the yeast Mob1 protein. Yeast Mob1 binds Mps1p, a protein kinase essential for spindle pole body duplication and mitotic checkpoint regulation. Three transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2011]
UniProt Comments for MOBKL1A	MOB1B: Activator of LATS1/2 in the Hippo signaling pathway which plays a pivotal role in organ size control and tumor suppression by restricting proliferation and promoting apoptosis. The core of this pathway is composed of a kinase cascade wherein STK3/MST2 and STK4/MST1, in complex with its regulatory protein SAV1, phosphorylates and activates LATS1/2 in complex with its regulatory protein MOB1, which in turn phosphorylates and inactivates YAP1 oncoprotein and WWTR1/TAZ. Phosphorylation of YAP1 by LATS1/2 inhibits its translocation into the nucleus to regulate cellular genes important for cell proliferation, cell death, and cell migration. Stimulates the kinase activity of STK38L. Binds STK38L. Interacts with LATS1 and LATS2. Adrenal gland, bone marrow, brain, lung, placenta, prostate, salivary gland, skeletal muscle, testis, thymus, thyroid gland, uterus, colon with mucosa, fetal brain and fetal liver. Belongs to the MOB1/phocein family. Protein type: Activator; Protein kinase, regulatory subunit Chromosomal Location of Human Ortholog: 4q13.3 Cellular Component: cytoplasm; cytosol; nucleus Molecular Function: protein binding; metal ion binding; kinase activator activity; kinase binding Biological Process: protein amino acid autophosphorylation; positive regulation of phosphorylation
Research Articles on MOBKL1A	**1.** Mob1A and Mob1B are needed for cell abscission and centriole re-joining after telophase and cytokinesis.
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-antibody/mobkl1a/6488332