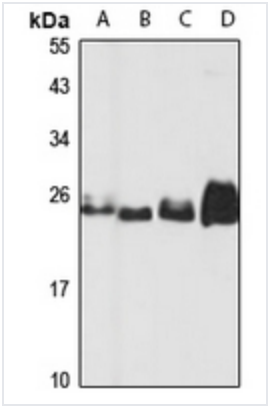
MOB4 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	MOB4, Polyclonal Antibody
Full Product Name	Anti-MOB4 Antibody
Product Gene Name	anti-MOB4 antibody
Product Synonym Names	MOB3; MOBKL3; PHOCN; PREI3; MOB-like protein phocein; 2C4D; Class II mMOB1; Mob1 homolog 3; Mob3; Mps one binder kinase activator-like 3; Preimplantation protein 3
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	Liquid in 0.42% Potassium Phosphate, 0.87% Sodium Chloride, pH 7.3, 30% Glycerol, and 0.01% Sodium Azide.
Purity/Purification	Purified by Immunogen Affinity Chromatography
Specificity	Recognizes endogenous levels of MOB4 protein.
Preparation and Storage	Upon delivery aliquot and store at -20 degree C for one year. Avoid freeze/thaw cycles.
Molecular Weight	26,032 Da
Chromosome Location	Chromosome: 2; NC_000002.11 (198380295..198418423). Location: 2q33.1
OMIM	609361
3D Structure	ModBase 3D Structure for Q9Y3A3
Immunogen	Recombinant fusion protein of human MOB4. The exact sequence is proprietary.
Applications Tested/Suitable for anti-MOB4 antibody	Western Blot (WB)
Application Notes for anti-MOB4 antibody	WB: 1:500-1:2000
Related Product Information for anti-MOB4 antibody	MBS8307293 is an antibody targeting MOB4. Reactive in Human, Mouse, Rat. Host: Rabbit. Rabbit polyclonal antibody to MOB4
Other Notes	Small volumes of anti-MOB4 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.



Western Blot (WB) of anti-MOB4 antibody
Western blot analysis of MOB4 expression in A549 (A), MCF7 (B), mouse heart (C), rat brain (D) whole cell lysates.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for MOB4. It may not necessarily be applicable to this product.

NCBI GI #	155030224
NCBI GeneID	25843
NCBI Accession #	NP_001094289.1
UniProt Primary Accession #	Q9Y3A3
UniProt Secondary Accession #	Q6PEB6; Q9QYW3
UniProt Related Accession #	Q9Y3A3
GenBank Nucleotide #	NM_001100819.2
NCBI Official Full Name	MOB-like protein phocein isoform 3
NCBI Official Synonym Full Names	MOB family member 4, phocein
NCBI Official Symbol	MOB4
NCBI Official Synonym Symbols	2C4D; MOB1; MOB3; PHOCN; PREI3; CGI-95; MOBKL3
UniProt Protein Name	MOB-like protein phocein
UniProt Synonym Protein Names	2C4D; Class II mMOB1; Mob1 homolog 3; Mob3; Mps one binder kinase activator-like 3; Preimplantation protein 3
Protein Family	MOB kinase activator
UniProt Gene Name	MOB4
UniProt Synonym Gene Names	MOB3; MOBKL3; PHOCN; PREI3; Mob3
UniProt Entry Name	PHOCN_HUMAN
NCBI Protein Information	MOB-like protein phocein; class II mMOB1; mob1 homolog 3; phocein, Mob-like protein; preimplantation protein 3; Mps One Binder kinase activator-like 3; MOB1, Mps One Binder kinase activator-like 3
NCBI Summary for MOB4	This gene was identified based on its similarity with the mouse counterpart. Studies of the mouse counterpart suggest that the expression of this gene may be regulated during oocyte maturation and preimplantation following zygotic gene activation. Alternatively spliced transcript variants encoding distinct isoforms have been observed. Naturally occurring read-through transcription occurs between this locus and the neighboring locus HSPE1.[provided by RefSeq, Feb 2011]

UniProt Comments for MOB4	PREI3: May play a role in membrane trafficking, specifically in membrane budding reactions. Belongs to the MOB1/phocein family. 3 isoforms of the human protein are produced by alternative splicing. Protein type: Activator; Membrane protein, peripheral; Protein kinase, regulatory subunit Chromosomal Location of Human Ortholog: 2q33.1 Cellular Component: Golgi apparatus; cell soma; perinuclear region of cytoplasm; cytoplasm; dendritic spine; cytosol Molecular Function: protein binding; metal ion binding; kinase binding Biological Process: transport
Research Articles on MOB4	**1.** phosphorylation of MOB1 at Thr74 by MST2 is essential to make a complex of MOB1, MST2 and NDR1, and to fully activate NDR1
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-rat-antibody/mob4/8307293