MOB4 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	MOB4, Polyclonal Antibody
Full Product Name	MOB4 Antibody
Product Gene Name	anti-MOB4 antibody
Product Synonym Names	2C4D; MOB1; MOB3; PHOCN; PREI3; CGI-95; MOBKL3
Clonality	Polyclonal
Isotype	Rabbit IgG
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	Rabbit IgG in pH7.4 PBS, 0.05% NaN3, 40% Glycerol.
Purity/Purification	Antigen affinity purification.
Specificity	The antibody detects endogenous levels of total MOB4 protein.
Preparation and Storage	Store at 4 degree C short term. Aliquot and store at -20 degree C long term. 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	Full length fusion protein of human MOB4
Product Categories/Family for anti-MOB4 antibody	Primary Antibody
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-MOB4 antibody	Immunohistochemistry (IHC)
Application Notes for anti-MOB4 antibody	IHC: 1:10-1:50
Related Product Information for anti-MOB4 antibody	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
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.
Searchable Terms for MOB4 purchase	MBS8593597 is an antibody targeting MOB4. Also known as MOB4 Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.

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 #	Q53SE0; Q7Z4Y6; Q9H2P3; Q9H5J1; Q9Y4T8; B4DML0
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
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