SMEK2 Antibody (C-Term) Blocking Peptide

PRODUCT OVERVIEW

Product Name	SMEK2, Blocking Peptide
Full Product Name	SMEK2 Antibody (C-term) Blocking Peptide
Product Gene Name	SMEK2 blocking peptide
Product Synonym Gene Name	KIAA1387; PP4R3B; PPP4R3B
Product Synonym Names	Serine/threonine-protein phosphatase 4 regulatory subunit 3B; SMEK homolog 2; SMEK2; KIAA1387; PP4R3B; PPP4R3B
Form/Format	Synthetic peptide was lyophilized with 100% acetonitrile and is supplied as a powder. Reconstitute with 0.1 ml DI water for a final concentration of 1 mg/ml.
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C.
Antibody/Peptide Pairs	SMEK2 peptide (MBS9221378) is used for blocking the activity of SMEK2 antibody (MBS9210470)
Molecular Weight	31,566 Da
OMIM	610352
Cellular Location	Cytoplasm. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome. Nucleus. Note: In interphase localized in the cytoplasm and (with higher levels) the nucleus. During metaphase located in pericentriolar regions
Tissue Location	Moderately expressed in tissues and specific brain regions examined.
Related Product Information for SMEK2 blocking peptide	Regulatory subunit of serine/threonine-protein phosphatase 4 (PP4). May regulate the activity of PPP4C at centrosomal microtubule organizing centers.
Other Notes	Small volumes of SMEK2 blocking peptide 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 SMEK2 purchase	MBS9221378 is a blocking peptide targeting SMEK2. Also known as SMEK2 Antibody (C-term) Blocking Peptide.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SMEK2. It may not necessarily be applicable to this product.

NCBI GI #	334302843
NCBI GeneID	57223
NCBI Accession #	Q5MIZ7.2
UniProt Primary Accession #	Q5MIZ7
UniProt Secondary Accession #	Q6P9B0; Q86XB8; Q9BQJ0; Q9BRK2; Q9H913; Q9P2G0
UniProt Related Accession #	Q5MIZ7
NCBI Official Full Name	Serine/threonine-protein phosphatase 4 regulatory subunit 3B
NCBI Official Synonym Full Names	protein phosphatase 4 regulatory subunit 3B
NCBI Official Symbol	PPP4R3B
NCBI Official Synonym Symbols	PSY2; smk1; FLFL2; SMEK2; PP4R3B

UniProt Protein Name	Serine/threonine-protein phosphatase 4 regulatory subunit 3B
UniProt Synonym Protein Names	SMEK homolog 2
UniProt Gene Name	PPP4R3B
UniProt Entry Name	P4R3B_HUMAN
NCBI Protein Information	serine/threonine-protein phosphatase 4 regulatory subunit 3B
UniProt Comments for SMEK2	SMEK2: Regulatory subunit of serine/threonine-protein phosphatase 4 (PP4). May regulate the activity of PPP4C at centrosomal microtubule organizing centers. Belongs to the SMEK family. 5 isoforms of the human protein are produced by alternative splicing. Protein type: Cell cycle regulation; Protein phosphatase, regulatory subunit Chromosomal Location of Human Ortholog: 2p16.1 Cellular Component: centrosome; nucleoplasm
Research Articles on SMEK2	**1.** A three-protein PP4 phosphatase complex in mammalian cells, containing PP4C, PP4R2, and PP4R3beta, specifically dephosphorylates ATR-mediated gamma-H2AX generated during DNA replication.
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/blocking-peptide/smek2/9221378