SMC1L2 Blocking Peptide – The purity is >90%,tested by HPLC and MS. Purity

PRODUCT OVERVIEW

Product Name	SMC1L2 (SMC1B), Blocking Peptide
Full Product Name	SMC1L2 Blocking Peptide
Product Gene Name	SMC1B blocking peptide
Product Synonym Gene Name	SMC1L2
Product Synonym Names	bK268H5; SMC protein 1B; SMC-1-beta; SMC-1B; SMC1 beta; SMC1B; SMC1B_HUMAN; SMC1beta; SMC1beta protein; Smc1l2; Structural maintenance of chromosomes 1-like 2; Structural maintenance of chromosomes 1B; Structural maintenance of chromosomes protein 1B
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 10 mg/ml.
Purity/Purification	The purity is >90%,tested by HPLC and MS.
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	SMC1L2 peptide (MBS9621958) is used for blocking the activity of SMC1L2 antibody (MBS9612014)
Molecular Weight	143,837 Da
OMIM	608685
Supply Chain Verification	Manufactured in a lab with traceable raw materials manufactured on site. Coordinated product portfolio of antibodies, pairs, conjugates, recombinant proteins, and immunoassay materials available, please inquire.
Notes	For phospho antibody, we provide phospho peptide (0.5mg) and non-phospho peptide (0.5mg)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for SMC1B blocking peptide	Blocking/Control
Related Product Information for SMC1B blocking peptide	Blocking peptides are peptides that bind specifically to the target antibody and block antibody binding. These peptide usually contains the epitope recognized by the antibody. Antibodies bound to the blocking peptide no longer bind to the epitope on the target protein. This mechanism is useful when non-specific binding is an issue, for example, in Western blotting (immunoblot) and immunohistochemistry (IHC). By comparing the staining from the blocked antibody versus the antibody alone, one can see which staining is specific; Specific binding will be absent from the western blot or immunostaining performed with the neutralized antibody.
Other Notes	Small volumes of SMC1B 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 SMC1B purchase	MBS9621958 is a blocking peptide targeting SMC1B. Also known as SMC1L2 Blocking Peptide.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SMC1B. It may not necessarily be applicable to this product.

NCBI GI #	613410199
NCBI GeneID	27127
NCBI Accession #	NP_683515
UniProt Primary Accession #	Q8NDV3

UniProt Secondary Accession #	Q5TIC3; Q6ZUF9; Q9Y3G5; A0AV46; B0QY23; B0QY24
UniProt Related Accession #	Q8NDV3
GenBank Nucleotide #	NP_683515.4
NCBI Official Full Name	structural maintenance of chromosomes protein 1B isoform 1
NCBI Official Synonym Full Names	structural maintenance of chromosomes 1B
NCBI Official Symbol	SMC1B
NCBI Official Synonym Symbols	SMC1L2; SMC1BETA
UniProt Protein Name	Structural maintenance of chromosomes protein 1B
Protein Family	Structural maintenance of chromosomes protein
UniProt Gene Name	SMC1B
UniProt Synonym Gene Names	SMC1L2; SMC protein 1B; SMC-1-beta; SMC-1B
UniProt Entry Name	SMC1B_HUMAN
NCBI Protein Information	structural maintenance of chromosomes protein 1B; SMC protein 1B; SMC1 (structural maintenance of chromosomes 1, yeast)-like 1; SMC1 structural maintenance of chromosomes 1-like 2; mitosis-specific chromosome segregation protein like protein beta
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.
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