SGEF Antibody (Center) Blocking Peptide

PRODUCT OVERVIEW

Product Name	SGEF (ARHGEF26), Blocking Peptide
Full Product Name	SGEF Antibody (Center) Blocking peptide
Product Gene Name	ARHGEF26 blocking peptide
Product Synonym Gene Name	SGEF
Product Synonym Names	Rho guanine nucleotide exchange factor 26; SH3 domain-containing guanine exchange factor; ARHGEF26; SGEF
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.
Specificity	The synthetic peptide sequence used to generate the antibody was selected from the Center region of SGEF. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.
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	SGEF peptide (MBS9219838) is used for blocking the activity of SGEF antibody (MBS9203156)
Molecular Weight	88,134 Da
Cellular Location	Cell projection, ruffle
Tissue Location	Isoform 1 is broadly expressed, with highest levels in liver (at protein level). Certain mRNA species appear to be specifically expressed in prostate and liver
Related Product Information for ARHGEF26 blocking peptide	Activates RhoG GTPase by promoting the exchange of GDP by GTP. Required for the formation of membrane ruffles during macropinocytosis. Required for the formation of cup-like structures during trans-endothelial migration of leukocytes. In case of Salmonella enterica infection, activated by SopB, which induces cytoskeleton rearrangements and promotes bacterial entry.
Other Notes	Small volumes of ARHGEF26 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 ARHGEF26 purchase	MBS9219838 is a blocking peptide targeting ARHGEF26. Also known as SGEF Antibody (Center) Blocking peptide.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ARHGEF26. It may not necessarily be applicable to this product.

NCBI GI #	317373555
NCBI GeneID	26084
NCBI Accession #	Q96DR7.4
UniProt Primary Accession #	Q96DR7
UniProt Secondary Accession #	Q68CL1; Q6AZ96; Q6Q8Q8; Q96AW8; Q96DR6; Q9H9D7; Q9H9R2; Q9UFW5; B3KVP8; E9PBD0
UniProt Related Accession #	Q96DR7
NCBI Official Full Name	Rho guanine nucleotide exchange factor 26
NCBI Official Synonym Full Names	Rho guanine nucleotide exchange factor 26
NCBI Official Symbol	ARHGEF26

NCBI Official Synonym Symbols	SGEF; CSGEF; HMFN1864
UniProt Protein Name	Rho guanine nucleotide exchange factor 26
UniProt Synonym Protein Names	SH3 domain-containing guanine exchange factor
Protein Family	Rho guanine nucleotide exchange factor
UniProt Gene Name	ARHGEF26
UniProt Synonym Gene Names	SGEF
UniProt Entry Name	ARHGQ_HUMAN
NCBI Protein Information	rho guanine nucleotide exchange factor 26
NCBI Summary for ARHGEF26	This gene encodes a member of the Rho-guanine nucleotide exchange factor (Rho-GEF) family. These proteins regulate Rho GTPases by catalyzing the exchange of GDP for GTP. The encoded protein specifically activates RhoG and plays a role in the promotion of macropinocytosis. Underexpression of the encoded protein may be a predictive marker of chemoresistant disease. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Oct 2011]
UniProt Comments for ARHGEF26	SGEF: Activates RhoG GTPase by promoting the exchange of GDP by GTP. Required for the formation of membrane ruffles during macropinocytosis. Required for the formation of cup-like structures during trans-endothelial migration of leukocytes. In case of Salmonella enterica infection, activated by SopB, which induces cytoskeleton rearrangements and promotes bacterial entry. 2 isoforms of the human protein are produced by alternative splicing. Protein type: GEFs; GEFs, Rac/Rho Chromosomal Location of Human Ortholog: 3q25.2
Research Articles on ARHGEF26	**1.** A novel function of SGEF that excludes GEF.
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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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.

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