



SGEF Antibody (Center) Blocking peptide

Synthetic peptide Catalog # BP13325c

Specification

SGEF Antibody (Center) Blocking peptide - Product Information

Primary Accession Q96DR7

SGEF Antibody (Center) Blocking peptide - Additional Information

Gene ID 26084

Other Names

Rho guanine nucleotide exchange factor 26, SH3 domain-containing guanine exchange factor, ARHGEF26, SGEF

Target/Specificity

The synthetic peptide sequence used to generate the antibody AP13325c 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.

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

SGEF Antibody (Center) Blocking peptide - Protein Information

Name ARHGEF26

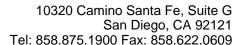
Synonyms SGEF

SGEF Antibody (Center) Blocking peptide - Background

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.

SGEF Antibody (Center) Blocking peptide - References

Yamada, S., et al. Oncogene 23(35):5901-5911(2004)Ellerbroek, S.M., et al. Mol. Biol. Cell 15(7):3309-3319(2004)Qi, H., et al. Endocrinology 144(5):1742-1752(2003)





Function

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.

Cellular LocationCell 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

SGEF Antibody (Center) Blocking peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

• Blocking Peptides