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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

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 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

SGEF Antibody (Center) Blocking peptide - Protocols

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

- Blocking Peptides

SGEF Antibody (Center) Blocking peptide - Images

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)