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SGEF Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP13325c

Specification

SGEF Antibody (Center) - Product Information

Application	**WB, IHC-P,E**
Primary Accession	Q96DR7
Other Accession	NP_056410.3
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit Ig**
Calculated MW	**97346**
Antigen Region	**378-406**

SGEF Antibody (Center) - Additional Information

Gene ID 26084

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

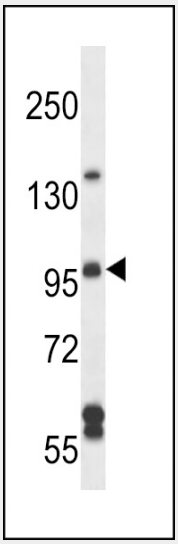
Target/Specificity
This SGEF antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 378-406 amino acids from the Central region of human SGEF.

Dilution
WB~~1:1000
IHC-P~~1:10~50

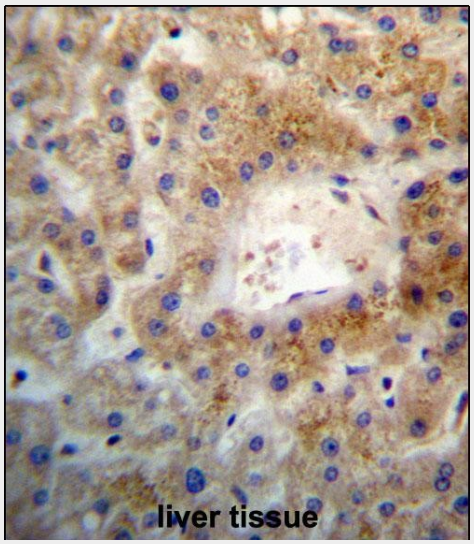
Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
SGEF Antibody (Center) is for research use



SGEF Antibody (Center) (Cat. #AP13325c) western blot analysis in NCI-H460 cell line lysates (35ug/lane).This demonstrates the SGEF antibody detected the SGEF protein (arrow).



SGEF Antibody (Center) (Cat. #AP13325c)immunohistochemistry analysis in formalin fixed and paraffin embedded human liver tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use

only and not for use in diagnostic or therapeutic procedures.

SGEF Antibody (Center) - 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) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

of SGEF Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.

SGEF Antibody (Center) - 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) - 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)