

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 IgG
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 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

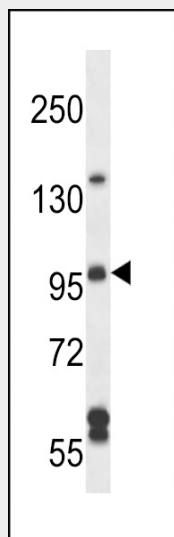
Isoform 1 is broadly expressed, with highest levels in liver (at protein level). Certain mRNA species appear to be specifically expressed in prostate and liver

SGEF Antibody (Center) - Protocols

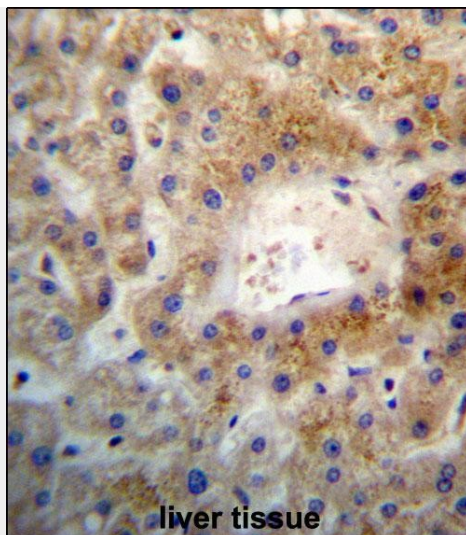
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

SGEF Antibody (Center) - Images



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 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)