



Rabbit Anti-SGEF antibody

SL17312R

Product Name:	SGEF
Chinese Name:	SGEF蛋白抗体
Alias:	ARHGEF26; ARHGEF26 Rho guanine nucleotide exchange factor (GEF) 26; ARHGQ_HUMAN; CSGEF; DKFZp434D146; HMFN1864; Rho guanine nucleotide exchange factor 26; SH3 domain-containing guanine exchange factor.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Dog,Pig,Cow,Horse,Rabbit,Sheep,Saccharomyces cerevisiae
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	97kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human SGEF:551-650/871
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	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]

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.

Subcellular Location:

Cell projection > ruffle.

Tissue Specificity:

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.

Similarity:

Contains 1 DH (DBL-homology) domain.

Contains 1 PH domain.

Contains 1 SH3 domain.

SWISS:

Q96DR7

Gene ID:

26084

Database links:

[Entrez Gene: 26084](#) Human

[Entrez Gene: 622434](#) Mouse

[Entrez Gene: 310460](#) Rat

[SwissProt: Q96DR7](#) Human

[SwissProt: D3YYY8](#) Mouse

[SwissProt: D4A1D2](#) Rat

[Unigene: 240845](#) Human

Important Note:

This product as supplied is intended for research use only, not for use in human,

	therapeutic or diagnostic applications.
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