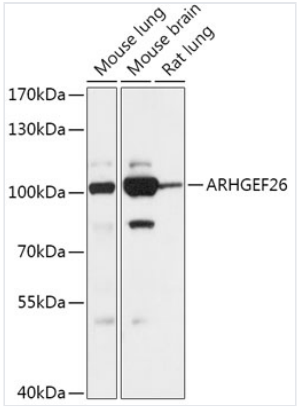
ARHGEF26 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	ARHGEF26, Polyclonal Antibody
Full Product Name	ARHGEF26 Rabbit pAb
Product Gene Name	anti-ARHGEF26 antibody
Product Synonym Names	ARHGEF26; CSGEF; HMFN1864; SGEF
Immunogen Sequence	ICQKTPKDSP KYEVCKRALK EVSKLVRLCN EGARKMERTE MMYTINSQLE FKIKPFPLVS SSRWLVKRGE LTAYVEDTVL FSRRTSKQQV YFFLFNDVLI ITKKKSEESY NVNDYSLRDQ LLVESCDNEE LNSSPGKNSS TMLYSRQSSA SHLFTLTVLS NHANEKVEML LGAETQSERA RWITALGHSS GKPPADRTSL TQVEIVRSFT AKQPDELSLQ VADVVLIYQR VSDGWYEGER LRDGERGWFP MECAKEITCQ ATIDKNVERM GRLLGLETNV
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Purity/Purification	Affinity purification
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.
Molecular Weight	88,134 Da
OMIM	617552
3D Structure	ModBase 3D Structure for Q96DR7
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 592-871 of human ARHGEF26 (NP_056410.3).
Positive Samples	Mouse lung, Mouse brain, Rat lung
Product Categories/Family for anti-ARHGEF26 antibody	Signal Transduction; G protein signaling; G-Protein-Coupled Receptors(GPCR); Research; Signal Transduction; G protein signaling; Small G proteins
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-ARHGEF26 antibody	Western Blot (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)
Application Notes for anti-ARHGEF26 antibody	WB: 1:500-1:2000 IHC: 1:50-1:100 IF: 1:50-1:100
Related Product Information for anti-ARHGEF26 antibody	Background: 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]
Other Notes	Small volumes of anti-ARHGEF26 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

Searchable Terms for ARHGEF26 purchase	MBS9142928 is an antibody targeting ARHGEF26. Also known as ARHGEF26 Rabbit pAb. Reactive in Human, Mouse, Rat. Host: Rabbit.



Western Blot (WB) of anti-ARHGEF26 antibody
Western blot analysis of extracts of various cell lines, using ARHGEF26 antibody at 1:1000 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.Lysates/proteins: 25ug per lane.Blocking buffer: 3% nonfat dry milk in TBST.Detection: ECL Basic Kit (RM00020).Exposure time: 10s.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ARHGEF26. It may not necessarily be applicable to this product.

NCBI GI #	354459392
NCBI GeneID	26084
NCBI Accession #	NP_001238891.1
UniProt Primary Accession #	Q96DR7
UniProt Secondary Accession #	Q68CL1; Q6AZ96; Q6Q8Q8; Q96AW8; Q96DR6; Q9H9D7; Q9H9R2; Q9UFW5; B3KVP8; E9PBD0
UniProt Related Accession #	Q96DR7
GenBank Nucleotide #	NM_001251962.1
NCBI Official Full Name	rho guanine nucleotide exchange factor 26 isoform 1
NCBI Official Synonym Full Names	Rho guanine nucleotide exchange factor 26
NCBI Official Symbol	ARHGEF26
NCBI Official Synonym Symbols	SGEF; CSGEF; HMFN1864
UniProt Protein Name	Rho guanine nucleotide exchange factor 26
UniProt Synonym Protein Names	SH3 domain-containing guanine exchange factor
Protein Family	Rho guanine nucleotide exchange factor
UniProt Gene Name	ARHGEF26
UniProt Synonym Gene Names	SGEF
NCBI Protein Information	rho guanine nucleotide exchange factor 26
NCBI Summary for ARHGEF26	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]

UniProt Comments for ARHGEF26	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.
Research Articles on ARHGEF26	**1.** Phenome-wide association scanning showed that CCDC92 likely affects coronary artery disease through insulin resistance pathways, whereas experimental analysis suggests that ARHGEF26 influences the transendothelial migration of leukocytes.
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