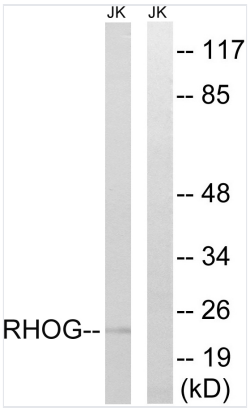
RHOG Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	RHOG, Polyclonal Antibody
Full Product Name	RHOG Antibody
Product Gene Name	anti-RHOG antibody
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purity/Purification	Purified from rabbit antiserum by affinity-chromatography using immunogen.
Concentration	1 mg/ml (lot specific)
Specificity	RHOG Antibody detects endogenous levels of total RHOG protein.
Preparation and Storage	Stable at -20 degree C for at least 1 year.
Molecular Weight	21 kDa
OMIM	L11317 mRNA
3D Structure	ModBase 3D Structure for P84095
Target Modification	Unmodified/Total
Immunogen	The antiserum was produced against synthesized peptide derived from human RHOG.
Immunogen Range	97-146
Applications Tested/Suitable for anti-RHOG antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-RHOG antibody	WB: 1:500~1:1000 ELISA: 1:40000
Related Product Information for anti-RHOG antibody	MBS9506865 is an antibody targeting RHOG. Also known as RHOG Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.
Other Notes	Small volumes of anti-RHOG 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.



Western Blot (WB) of anti-RHOG antibody
Western blot analysis of lysates from Jurkat cells, using RHOG Antibody. The lane on the right is blocked with the synthesized peptide.

ADDITIONAL DETAILS

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

NCBI GI #	46249393
NCBI GeneID	391
NCBI Accession #	NP_001656.2
UniProt Primary Accession #	P84095
UniProt Secondary Accession #	P35238; Q8NI04
UniProt Related Accession #	P84095
GenBank Nucleotide #	NM_001665.3
NCBI Official Full Name	rho-related GTP-binding protein RhoG
NCBI Official Synonym Full Names	ras homolog family member G
NCBI Official Symbol	RHOG
NCBI Official Synonym Symbols	ARHG
UniProt Protein Name	Rho-related GTP-binding protein RhoG
Protein Family	Rho-related GTP-binding protein
UniProt Gene Name	RHOG
UniProt Synonym Gene Names	ARHG
NCBI Protein Information	rho-related GTP-binding protein RhoG
NCBI Summary for RHOG	This gene encodes a member of the Rho family of small GTPases, which cycle between inactive GDP-bound and active GTP-bound states and function as molecular switches in signal transduction cascades. Rho proteins promote reorganization of the actin cytoskeleton and regulate cell shape, attachment, and motility. The encoded protein facilitates translocation of a functional guanine nucleotide exchange factor (GEF) complex from the cytoplasm to the plasma membrane where ras-related C3 botulinum toxin substrate 1 is activated to promote lamellipodium formation and cell migration. Two related pseudogene have been identified on chromosomes 20 and X. [provided by RefSeq, Aug 2011]
UniProt Comments for RHOG	Required for the formation of membrane ruffles during macropinocytosis. Plays a role in cell migration and is required for the formation of cup-like structures during trans-endothelial migration of leukocytes. In case of Salmonella enterica infection, activated by SopB and ARHGEF26/SGEF, which induces cytoskeleton rearrangements and promotes bacterial entry.

Research Articles on RHOG	**1.** RhoG and SGEF modulate the phosphorylation of paxillin, which plays a key role during invadopodia disassembly.
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