

RHOG Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP16200b**Specification**

RHOG Antibody (C-term) Blocking Peptide - Product InformationPrimary Accession [P84095](#)**RHOG Antibody (C-term) Blocking Peptide - Additional Information**

Gene ID 391

Other Names

Rho-related GTP-binding protein RhoG, RHOG, ARHG

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

RHOG Antibody (C-term) Blocking Peptide - Protein Information

Name RHOG

Synonyms ARHG

Function

Plays a role in immunological synaptic F-actin density and architecture organization (PubMed:33513601). Regulates actin reorganization in lymphocytes, possibly through the modulation of Rac1 activity (PubMed:33513601). Required for the formation of membrane ruffles during macropinocytosis (PubMed:15133129). Plays a role in cell migration and is required for the formation of cup-like structures during trans-endothelial migration of leukocytes (PubMed:17875742). Binds phospholipids in an activation-dependent manner; thereby acting as an anchor for other proteins to the plasma membrane (PM) (PubMed:33513601). Plays a role in exocytosis of cytotoxic granules (CG) by lymphocytes/Component of the exocytosis machinery in natural killer (NK) and CD8+ T cells (PubMed:33513601). Promotes the docking of cytotoxic granules (CG) to the plasma membrane through the interaction with UNC13D (PubMed:33513601).

Involved in the cytotoxic activity of lymphocytes/primary CD8+ T cells (PubMed:33513601).

Cellular Location

Cell membrane; Lipid-anchor; Cytoplasmic side

RHOG Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

RHOG Antibody (C-term) Blocking Peptide - Images**RHOG Antibody (C-term) Blocking Peptide - Background**

ARHG is a member of the RAS superfamily of genes, which encode GTP-binding proteins that act in the pathway of signal transduction and play a key role in the regulation of cellular functions.

RHOG Antibody (C-term) Blocking Peptide - References

Hiramoto-Yamaki, N., et al. J. Cell Biol. 190(3):461-477(2010) Segat, L., et al. Vaccine 28(10):2201-2206(2010) Landa, I., et al. PLoS Genet. 5 (9), E1000637 (2009) :Roppenser, B., et al. J. Cell. Sci. 122 (PT 5), 696-705 (2009) :van Buul, J.D., et al. J. Cell Biol. 178(7):1279-1293(2007)