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RAC2 Antibody (C-term) Blocking Peptide

Synthetic peptide
Catalog # BP8839b

Specification

RAC2 Antibody (C-term) Blocking Peptide - Product Information

Primary Accession P15153

RAC2 Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 5880

Other Names
Ras-related C3 botulinum toxin substrate 2, GX, Small G protein, p21-Rac2, RAC2

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP8839b was selected from the C-term region of human RAC2. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

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.

RAC2 Antibody (C-term) Blocking Peptide - Protein Information

Name RAC2

Function
Plasma membrane-associated small GTPase which cycles between an active GTP-bound and inactive GDP-bound state. In active state binds to a variety of effector proteins to regulate cellular responses, such as secretory processes, phagocytose of apoptotic cells and epithelial cell polarization. Augments the production of reactive oxygen species (ROS) by NADPH oxidase.

Cellular Location
Cytoplasm. Note=Membrane-associated when activated

Tissue Location
Hematopoietic specific.

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RAC2 Antibody (C-term) Blocking Peptide - Protocols

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

- Blocking Peptides

RAC2 Antibody (C-term) Blocking Peptide - Images

RAC2 Antibody (C-term) Blocking Peptide - Background

RAC2 is a GTPase which belongs to the RAS superfamily of small GTP-binding proteins. Members of this superfamily appear to regulate a diverse array of cellular events, including the control of cell growth, cytoskeletal reorganization, and the activation of protein kinases.

RAC2 Antibody (C-term) Blocking Peptide - References

Reibel,L., et.al., Biochem. Biophys. Res. Commun. 175 (2), 451-458 (1991)Brechard,S., et.al., J. Leukoc. Biol. 85 (4), 638-647 (2009)