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RAC3 Antibody (Center) Blocking Peptide

Synthetic peptide
Catalog # BP16138c

Specification

RAC3 Antibody (Center) Blocking Peptide - Product Information

Primary Accession P60763

RAC3 Antibody (Center) Blocking Peptide - Additional Information

Gene ID 5881

Other Names
Ras-related C3 botulinum toxin substrate 3, p21-Rac3, RAC3

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.

RAC3 Antibody (Center) Blocking Peptide - Protein Information

Name RAC3 (HGNC:9803)

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 cell spreading and the formation of actin-based protusions including lamellipodia and membrane ruffles. Promotes cell adhesion and spreading on fibrinogen in a CIB1 and alpha-IIb/beta3 integrin-mediated manner.

Cellular Location
Cytoplasm. Endomembrane system. Cell projection, lamellipodium. Cytoplasm, perinuclear region. Cell membrane. Cytoplasm, cytoskeleton. Note=Membrane-associated when activated. Colocalizes with NRBP to endomembranes and at the cell periphery in lamellipodia Colocalized with CIB1 in the perinuclear area and at the cell periphery

Tissue Location
Highest levels in brain, also detected in heart, placenta and pancreas

RAC3 Antibody (Center) Blocking Peptide - Protocols

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

- Blocking Peptides

RAC3 Antibody (Center) Blocking Peptide - Images

RAC3 Antibody (Center) Blocking Peptide - Background

The protein encoded by this gene is a GTPase which belongsto the RAS superfamily of small GTP-binding proteins. Members ofthis superfamily appear to regulate a diverse array of cellularevents, including the control of cell growth, cytoskeletalreorganization, and the activation of protein kinases. [provided byRefSeq].

RAC3 Antibody (Center) Blocking Peptide - References

Hajdo-Milasinovic, A., et al. J. Cell. Sci. 122 (PT 12), 2127-2136 (2009) :Lozano, E., et al. J. Cell. Sci. 121 (PT 7), 933-938 (2008) :Hajdo-Milasinovic, A., et al. J. Cell. Sci. 120 (PT 4), 555-566 (2007) :Watabe-Uchida, M., et al. Neuron 51(6):727-739(2006)Orioli, D., et al. Mol. Biol. Cell 17(5):2391-2400(2006)