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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)