

**ARHGEF7 Blocking Peptide (C-Term)**

Synthetic peptide

Catalog # BP22153b

**Specification**

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**ARHGEF7 Blocking Peptide (C-Term) - Product Information**

Primary Accession

[O14155](#)

Other Accession

[O9ES28](#)**ARHGEF7 Blocking Peptide (C-Term) - Additional Information**

Gene ID 8874

**Other Names**

Rho guanine nucleotide exchange factor 7, Beta-Pix, COOL-1, PAK-interacting exchange factor beta, p85, ARHGEF7, COOL1, KIAA0142, P85SPR, PAK3BP, PIXB

**Target/Specificity**

The synthetic peptide sequence is selected from aa 674-688 of HUMAN ARHGEF7

**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.

**ARHGEF7 Blocking Peptide (C-Term) - Protein Information**

Name ARHGEF7

Synonyms COOL1, KIAA0142, P85SPR, PAK3BP, PIXB

**Function**

Acts as a RAC1 guanine nucleotide exchange factor (GEF) and can induce membrane ruffling. Functions in cell migration, attachment and cell spreading. Promotes targeting of RAC1 to focal adhesions (By similarity). May function as a positive regulator of apoptosis. Downstream of NMDA receptors and CaMKK-CaMK1 signaling cascade, promotes the formation of spines and synapses in hippocampal neurons.

**Cellular Location**

Cell junction, focal adhesion. Cell projection, ruffle. Cytoplasm, cell cortex Cell projection, lamellipodium. Note=Detected at cell adhesions. A small proportion is detected at focal adhesions

## **ARHGEF7 Blocking Peptide (C-Term) - Protocols**

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

- [Blocking Peptides](#)

## **ARHGEF7 Blocking Peptide (C-Term) - Images**

## **ARHGEF7 Blocking Peptide (C-Term) - Background**

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## **ARHGEF7 Blocking Peptide (C-Term) - References**

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Dunham A.,et al.Nature 428:522-528(2004).  
Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.