

**ARHGEF6 Antibody (C-term) Blocking Peptide**  
Synthetic peptide  
Catalog # BP16738b

**Specification**

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**ARHGEF6 Antibody (C-term) Blocking Peptide - Product Information**

Primary Accession [Q15052](#)

**ARHGEF6 Antibody (C-term) Blocking Peptide - Additional Information**

Gene ID 9459

**Other Names**

Rho guanine nucleotide exchange factor 6, Alpha-Pix, COOL-2, PAK-interacting exchange factor alpha, Rac/Cdc42 guanine nucleotide exchange factor 6, ARHGEF6, COOL2, KIAA0006, PIXA

**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.

**ARHGEF6 Antibody (C-term) Blocking Peptide - Protein Information**

Name ARHGEF6

Synonyms COOL2, KIAA0006, PIXA

**Function**

Acts as a RAC1 guanine nucleotide exchange factor (GEF).

**Cellular Location**

Cell projection, lamellipodium {ECO:0000250|UniProtKB:Q8K4I3}

**Tissue Location**

Ubiquitous.

**ARHGEF6 Antibody (C-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

**ARHGEF6 Antibody (C-term) Blocking Peptide - Images****ARHGEF6 Antibody (C-term) Blocking Peptide - Background**

Rho GTPases play a fundamental role in numerous cellular processes that are initiated by extracellular stimuli that work through G protein coupled receptors. The encoded protein belongs to a family of cytoplasmic proteins that activate the Ras-like family of Rho proteins by exchanging bound GDP for GTP. It may form a complex with G proteins and stimulate Rho-dependent signals. This protein is activated by PI3-kinase. Mutations in this gene can cause X-chromosomal non-specific mental retardation. [provided by RefSeq].

**ARHGEF6 Antibody (C-term) Blocking Peptide - References**

Maiti, A.K. Pharmacogenomics J. 10(2):94-104(2010) Eriguchi, M., et al. J. Neurol. Sci. 290 (1-2), 80-85 (2010) : Takefuji, M., et al. J. Hum. Genet. 55(1):42-49(2010) Lim, J.W., et al. Scand. J. Gastroenterol. 44(10):1166-1172(2009) Baek, H.Y., et al. Ann. N. Y. Acad. Sci. 1096, 18-23 (2007) :