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ARHGAP22 Antibody (C-term) Blocking peptide

Synthetic peptide
Catalog # BP13013b

Specification

ARHGAP22 Antibody (C-term) Blocking peptide - Product Information

Primary Accession Q7Z5H3

ARHGAP22 Antibody (C-term) Blocking peptide - Additional Information

Gene ID 58504

Other Names
Rho GTPase-activating protein 22, Rho-type GTPase-activating protein 22, ARHGAP22, RHOGAP2

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.

ARHGAP22 Antibody (C-term) Blocking peptide - Protein Information

Name ARHGAP22

Synonyms RHOGAP2

Function
Rho GTPase-activating protein involved in the signal transduction pathway that regulates endothelial cell capillary tube formation during angiogenesis. Acts as a GTPase activator for the RAC1 by converting it to an inactive GDP-bound state. Inhibits RAC1- dependent lamellipodia formation. May also play a role in transcription regulation via its interaction with VEZF1, by regulating activity of the endothelin-1 (EDN1) promoter (By similarity).

Cellular Location
Cytoplasm. Nucleus. Note=Mainly cytoplasmic. Some fraction is nuclear (By similarity)

ARHGAP22 Antibody (C-term) Blocking peptide - Protocols

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

- Blocking Peptides

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ARHGAP22 Antibody (C-term) Blocking peptide - Images

ARHGAP22 Antibody (C-term) Blocking peptide - Background

ARHGAPs, such as ARHGAP22, encode negative regulators ofRho GTPases (see ARHA; MIM 165390), which are implicated in actinremodeling, cell polarity, and cell migration (Katoh and Katoh,2004 [PubMed 15254788]).

ARHGAP22 Antibody (C-term) Blocking peptide - References

Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :Dick, D.M., et al. Mol. Psychiatry (2010) In press :Grupe, A., et al. Am. J. Hum. Genet. 78(1):78-88(2006)Katoh, M., et al. Int. J. Mol. Med. 14(2):333-338(2004)