

RASIP1 Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP6870c

Specification

RASIP1 Antibody (Center) Blocking Peptide - Product Information

Primary Accession [Q5U651](#)

RASIP1 Antibody (Center) Blocking Peptide - Additional Information

Gene ID 54922

Other Names

Ras-interacting protein 1, Rain, RASIP1

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP6870c](/products/AP6870c) was selected from the Center region of human RASIP1. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

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.

RASIP1 Antibody (Center) Blocking Peptide - Protein Information

Name RASIP1

Function

Required for the proper formation of vascular structures that develop via both vasculogenesis and angiogenesis. Acts as a critical and vascular-specific regulator of GTPase signaling, cell architecture, and adhesion, which is essential for endothelial cell morphogenesis and blood vessel tubulogenesis. Regulates the activity of Rho GTPases in part by recruiting ARHGAP29 and suppressing RhoA signaling and dampening ROCK and MYH9 activities in endothelial cells (By similarity). May act as effector for Golgi-bound HRAS and other Ras- like proteins. May promote HRAS-mediated transformation. Negative regulator of amino acid starvation-induced autophagy.

Cellular Location

Cytoplasm, perinuclear region. Golgi apparatus, Golgi stack. Note=Associated with perinuclear vesicles. Is recruited to Golgi stacks by activated HRAS

Tissue Location

Highly expressed in heart. Detected at lower levels in placenta and pancreas.

RASIP1 Antibody (Center) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

RASIP1 Antibody (Center) Blocking Peptide - Images**RASIP1 Antibody (Center) Blocking Peptide - Background**

RASIP1 may act as effector for Golgi-bound HRAS and other Ras-like proteins. May promote HRAS-mediated transformation.

RASIP1 Antibody (Center) Blocking Peptide - References

Mitin, N.Y., et al., J. Biol. Chem. 279 (21), 22353-22361 (2004)