

RASA3 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP19031b

Specification

RASA3 Antibody (C-term) Blocking Peptide - Product Information

Primary Accession [Q14644](#)

RASA3 Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 22821

Other Names

Ras GTPase-activating protein 3, GAP1(IP4BP), Ins P4-binding protein, RASA3

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.

RASA3 Antibody (C-term) Blocking Peptide - Protein Information

Name RASA3

Function

Inhibitory regulator of the Ras-cyclic AMP pathway. Binds inositol tetrakisphosphate (IP4) with high affinity. Might be a specific IP4 receptor.

Cellular Location

Cell membrane.

RASA3 Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

RASA3 Antibody (C-term) Blocking Peptide - Images

RASA3 Antibody (C-term) Blocking Peptide - Background

The protein encoded by this gene is member of the GAP1family of GTPase-activating proteins. The

gene product stimulates the GTPase activity of normal RAS p21 but not its oncogenic counterpart. Acting as a suppressor of RAS function, the protein enhances the weak intrinsic GTPase activity of RAS proteins resulting in the inactive GDP-bound form of RAS, thereby allowing control of cellular proliferation and differentiation. This family member is an inositol 1,3,4,5-tetrakisphosphate-binding protein, like the closely related RAS p21 protein activator 2. The two family members have distinct pleckstrin-homology domains, with this particular member having a domain consistent with its localization to the plasma membrane.

RASA3 Antibody (C-term) Blocking Peptide - References

Kupzig, S., et al. Mol. Cell. Biol. 29(14):3929-3940(2009) Rush, J., et al. Nat. Biotechnol. 23(1):94-101(2005) Walker, S.A., et al. J. Biol. Chem. 277(50):48779-48785(2002) Koehler, J.A., et al. Biochem. Biophys. Res. Commun. 283(4):888-895(2001) Cozier, G.E., et al. J. Biol. Chem. 275(36):28261-28268(2000)