

RASAL1 Antibody (Center) Blocking peptide
Synthetic peptide
Catalog # BP12460c**Specification**

RASAL1 Antibody (Center) Blocking peptide - Product InformationPrimary Accession [O95294](#)**RASAL1 Antibody (Center) Blocking peptide - Additional Information****Gene ID** 8437**Other Names**

RasGAP-activating-like protein 1, RASAL1, RASAL

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.

RASAL1 Antibody (Center) Blocking peptide - Protein Information**Name** RASAL1 ([HGNC:9873](#))**Function**

Probable inhibitory regulator of the Ras-cyclic AMP pathway (PubMed:9751798). Plays a role in dendrite formation by melanocytes (PubMed:23999003).

Tissue Location

Highly expressed in thyroid and adrenal medulla, lower expression in brain, spinal cord and trachea (PubMed:9751798) Expressed in melanocytes (PubMed:23999003)

RASAL1 Antibody (Center) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

RASAL1 Antibody (Center) Blocking peptide - Images

RASAL1 Antibody (Center) Blocking peptide - Background

The protein encoded by this gene is member of the GAP1 family of GTPase-activating proteins. These proteins stimulate 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 particular family member contains domains which are characteristic of the GAP1 subfamily of RasGAP proteins but, in contrast to the other GAP1 family members, this protein is strongly and selectively expressed in endocrine tissues. Alternatively spliced transcript variants that encode different isoforms have been described

RASAL1 Antibody (Center) Blocking peptide - References

Ohta, M., et al. Gastroenterology 136(1):206-216(2009) Jin, H., et al. Proc. Natl. Acad. Sci. U.S.A. 104(30):12353-12358(2007) Liu, Q., et al. J. Cell Biol. 170(2):183-190(2005) Schmitt, J.M., et al. J. Biol. Chem. 277(45):43024-43032(2002) Allen, M., et al. Gene 218 (1-2), 17-25 (1998) :