

CENTG1 Antibody (C-term) Blocking peptide
Synthetic peptide
Catalog # BP10947b**Specification**

CENTG1 Antibody (C-term) Blocking peptide - Product InformationPrimary Accession [Q99490](#)**CENTG1 Antibody (C-term) Blocking peptide - Additional Information****Gene ID** 116986**Other Names**

Arf-GAP with GTPase, ANK repeat and PH domain-containing protein 2, AGAP-2, Centaurin-gamma-1, Cnt-g1, GTP-binding and GTPase-activating protein 2, GGAP2, Phosphatidylinositol 3-kinase enhancer, PIKE, AGAP2, CENTG1, KIAA0167

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.

CENTG1 Antibody (C-term) Blocking peptide - Protein Information**Name** AGAP2**Synonyms** CENTG1, KIAA0167**Function**

GTPase-activating protein (GAP) for ARF1 and ARF5, which also shows strong GTPase activity. Isoform 1 participates in the prevention of neuronal apoptosis by enhancing PI3 kinase activity. It aids the coupling of metabotropic glutamate receptor 1 (GRM1) to cytoplasmic PI3 kinase by interacting with Homer scaffolding proteins, and also seems to mediate anti-apoptotic effects of NGF by activating nuclear PI3 kinase. Isoform 2 does not stimulate PI3 kinase but may protect cells from apoptosis by stimulating Akt. It also regulates the adapter protein 1 (AP-1)-dependent trafficking of proteins in the endosomal system. It seems to be oncogenic. It is overexpressed in cancer cells, prevents apoptosis and promotes cancer cell invasion.

Cellular Location

[Isoform 1]: Cytoplasm. Nucleus.

Tissue Location

Isoform 1 is brain-specific. Isoform 2 is ubiquitously expressed, with highest levels in brain and

heart

CENTG1 Antibody (C-term) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

CENTG1 Antibody (C-term) Blocking peptide - Images

CENTG1 Antibody (C-term) Blocking peptide - Background

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CENTG1 Antibody (C-term) Blocking peptide - References

Shiba, Y., et al. J. Cell. Sci. 123 (PT 14), 2381-2390 (2010) :Zhu, Y., et al. J. Biol. Chem. 284(20):13489-13496(2009)Cai, Y., et al. Cancer Res. 69(3):819-827(2009)Tang, X., et al. Nat. Cell Biol. 10(6):698-706(2008)Liu, R., et al. Proc. Natl. Acad. Sci. U.S.A. 105(21):7570-7575(2008)