

GAK Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP8061b**Specification****GAK Antibody (C-term) Blocking Peptide - Product Information**

Primary Accession [Q14976](#)
Other Accession [Q6P490](#)

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

Gene ID 2580

Other Names

Cyclin-G-associated kinase, GAK

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP8061b](#) was selected from the C-term region of human GAK . 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.

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

Name GAK

Function

GAK Antibody (C-term) Blocking Peptide - Background

GAK, a member of the Ser/Thr protein kinase family, associates with cyclin G and CDK5. It appears to act as an auxilin homolog that is involved in the uncoating of clathrin-coated vesicles by Hsc70 in non-neuronal cells. Expression oscillates slightly during the cell cycle, peaking at G1. GAK localizes to the perinuclear area and to the trans-Golgi network. It is also observed on the plasma membrane, probably at focal adhesions. Expression is ubiquitous, with highest levels in testis. The protein contains 1 J domain and 1 tensin domain.

GAK Antibody (C-term) Blocking Peptide - References

Strausberg, R.L., et al., Proc. Natl. Acad. Sci. U.S.A. 99(26):16899-16903 (2002).Greener, T., et al., J. Biol. Chem. 275(2):1365-1370 (2000).Kimura, S.H., et al., Genomics 44(2):179-187 (1997).

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Cellular Location

Cytoplasm, perinuclear region. Golgi apparatus, trans-Golgi network. Cell junction, focal adhesion. Note=Localizes to the perinuclear area and to the trans-Golgi network. Also seen on the plasma membrane, probably at focal adhesions

Tissue Location

Ubiquitous. Highest in testis.

GAK Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)