

PIK3R3 Antibody (C-term) Blocking peptide
Synthetic peptide
Catalog # BP8025a**Specification****PIK3R3 Antibody (C-term) Blocking peptide -
Product Information**Primary Accession [Q92569](#)**PIK3R3 Antibody (C-term) Blocking peptide -
Additional Information****Gene ID 8503****Other Names**

Phosphatidylinositol 3-kinase regulatory subunit gamma, PI3-kinase regulatory subunit gamma, PI3K regulatory subunit gamma, PtdIns-3-kinase regulatory subunit gamma, Phosphatidylinositol 3-kinase 55 kDa regulatory subunit gamma, PI3-kinase subunit p55-gamma, PtdIns-3-kinase regulatory subunit p55-gamma, p55PIK, PIK3R3

Target/Specificity

The synthetic peptide sequence used to generate the antibody AP8025a was selected from the C-term region of human PIK3R3 . 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.

PIK3R3 Antibody (C-term) Blocking peptide - Background

PI3KR3 binds to activated (phosphorylated) protein-tyrosine kinases through its SH2 domain and regulates their kinase activity. During insulin stimulation, it also binds to IRS-1. It is a component of a heterodimer of p110 (catalytic) and p55 (regulatory) subunits. The protein is expressed at highest levels in brain and testis. Lower levels are detected in adipose tissue, kidney, heart, lung and skeletal muscle. The protein contains 2 SH2 domains.

PIK3R3 Antibody (C-term) Blocking peptide - References

Dey, B.R., et al., Gene 209 (1-2), 175-183 (1998).

**PIK3R3 Antibody (C-term) Blocking peptide -
Protein Information****Name** PIK3R3**Function**

Binds to activated (phosphorylated) protein-tyrosine kinases through its SH2 domain and regulates their kinase activity. During insulin stimulation, it also binds to IRS-1.

Tissue Location

Highest levels in brain and testis. Lower levels in adipose tissue, kidney, heart, lung and skeletal muscle

PIK3R3 Antibody (C-term) Blocking peptide - Protocols

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

- [Blocking Peptides](#)