

PI3KR5 Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP8027c**Specification**

PI3KR5 Antibody (Center) Blocking Peptide - Product InformationPrimary Accession [Q8WYR1](#)**PI3KR5 Antibody (Center) Blocking Peptide - Additional Information**

Gene ID 23533

Other Names

Phosphoinositide 3-kinase regulatory subunit 5, PI3-kinase regulatory subunit 5, PI3-kinase p101 subunit, Phosphatidylinositol 4, 5-bisphosphate 3-kinase regulatory subunit, PtdIns-3-kinase regulatory subunit, Protein FOAP-2, PtdIns-3-kinase p101, p101-PI3K, PIK3R5

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP8027c](/product/products/AP8027c) was selected from the Center region of human PI3KR5. 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.

PI3KR5 Antibody (Center) Blocking Peptide - Protein Information

Name PIK3R5

Function

Regulatory subunit of the PI3K gamma complex. Required for recruitment of the catalytic subunit to the plasma membrane via interaction with beta-gamma G protein dimers. Required for G protein-mediated activation of PIK3CG (By similarity).

Cellular Location

Nucleus {ECO:0000250|UniProtKB:O02696}. Cytoplasm {ECO:0000250|UniProtKB:O02696}. Cell membrane {ECO:0000250|UniProtKB:O02696}; Peripheral membrane protein {ECO:0000250|UniProtKB:O02696}. Note=Predominantly localized in the nucleus in absence of PIK3CG/p120. Colocalizes with PIK3CG/p120 in the cytoplasm. Translocated to the plasma membrane in a beta-gamma G protein-dependent manner. {ECO:0000250|UniProtKB:O02696}

Tissue Location

Ubiquitously expressed with high expression in fetal brain compared to adult brain. Abundant expression is observed in cerebellum, cerebral cortex, cerebral meninges, and vermis cerebelli

PI3KR5 Antibody (Center) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

PI3KR5 Antibody (Center) Blocking Peptide - Images**PI3KR5 Antibody (Center) Blocking Peptide - Background**

PI3KR5 is a regulatory subunit of the PI3K gamma complex. This protein, which interacts with G beta gamma proteins, is a heterodimer of a catalytic subunit (PI3KCG/p120) and a regulatory (PI3KR5a/p101) subunit.

PI3KR5 Antibody (Center) Blocking Peptide - References

Brock, C., et al., J. Cell Biol. 160(1):89-99 (2003).