

**IPPK Antibody (Center) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP9236c****Specification**

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**IPPK Antibody (Center) Blocking Peptide - Product Information**Primary Accession [Q9H8X2](#)**IPPK Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 64768**Other Names**

Inositol-pentakisphosphate 2-kinase, IPK1 homolog, Inositol-1, 6-pentakisphosphate 2-kinase, Ins(1, 6)P5 2-kinase, InsP5 2-kinase, IPPK, C9orf12

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody <a href="/products/AP9236c">AP9236c</a> was selected from the Center region of human IPPK. 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.

**IPPK Antibody (Center) Blocking Peptide - Protein Information****Name** IPPK**Synonyms** C9orf12**Function**

Phosphorylates Ins(1,3,4,5,6)P5 at position 2 to form Ins(1,2,3,4,5,6)P6 (InsP6 or phytate). InsP6 is involved in many processes such as mRNA export, non-homologous end-joining, endocytosis, ion channel regulation. It also protects cells from TNF-alpha-induced apoptosis.

**Cellular Location**

Cytoplasm. Nucleus.

**Tissue Location**

Ubiquitously expressed, with high expression in heart, brain, testis and placenta.

## **IPPK Antibody (Center) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

## **IPPK Antibody (Center) Blocking Peptide - Images**

## **IPPK Antibody (Center) Blocking Peptide - Background**

IPPK belongs to the IPK1 type 2 family. It phosphorylates Ins(1,3,4,5,6)P5 at position 2 to form Ins(1,2,3,4,5,6)P6 (InsP6 or phytate). IPPK is ubiquitous, with high expression in heart, brain, testis and placenta.

## **IPPK Antibody (Center) Blocking Peptide - References**

Verbsky,J. et.al, Nature 429 (6990), 369-374 (2004)Verbsky,J.W., et.al, J. Biol. Chem. 277 (35), 31857-31862 (2002)