

**PXK Antibody (N-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP7017a****Specification**

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**PXK Antibody (N-term) Blocking Peptide - Product Information**

Primary Accession [O7Z7A4](#)  
Other Accession [Q32NE9](#)

**PXK Antibody (N-term) Blocking Peptide - Additional Information**

**Gene ID** 54899

**Other Names**

PX domain-containing protein kinase-like protein, Modulator of Na, K-ATPase, MONaKA, PXK (<a href="http://www.genenames.org/cgi-bin/gene\_symbol\_report?hgnc\_id=23326" target="\_blank">HGNC:23326</a>)

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody <a href="/product/products/AP7017a">AP7017a</a> was selected from the N-term region of human PXK. 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.

**PXK Antibody (N-term) Blocking Peptide - Protein Information**

**Name** PXK ([HGNC:23326](#))

**Function**

Binds to and modulates brain Na,K-ATPase subunits ATP1B1 and ATP1B3 and may thereby participate in the regulation of electrical excitability and synaptic transmission. May not display kinase activity.

**Cellular Location**

Cytoplasm. Cell membrane; Peripheral membrane protein. Note=Also associates with the plasma membrane. Isoform 3 is present throughout the cell

**Tissue Location**

Widely expressed in all tissues examined except in heart. Isoform 1 is expressed in high levels in the brain, skeletal muscle, spleen and testis. Isoform 7 expression has yet to be demonstrated.

### **PXK Antibody (N-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

### **PXK Antibody (N-term) Blocking Peptide - Images**

### **PXK Antibody (N-term) Blocking Peptide - Background**

PXK is widely expressed in all tissues examined except in heart. It binds to and modulates brain Na,K-ATPase subunits ATP1B1 and ATP1B3 and may thereby participate in the regulation of electrical excitability and synaptic transmission. However, the protein kinase domain is predicted to be catalytically inactive.