

**Mouse Pxx Antibody (Center) Blocking peptide**  
**Synthetic peptide**  
**Catalog # BP14159c**

**Specification**

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**Mouse Pxx Antibody (Center) Blocking peptide - Product Information**

Primary Accession [Q8BX57](#)

**Mouse Pxx Antibody (Center) Blocking peptide - Additional Information**

**Gene ID** 218699

**Other Names**

PX domain-containing protein kinase-like protein, Modulator of Na, K-ATPase, MONaKA, Pxx  
{ECO:0000312|MGI:MGI:1289230}

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody AP14159c was selected from the Center region of Mouse Pxx. 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.

**Mouse Pxx Antibody (Center) Blocking peptide - Protein Information**

**Name** Pxx {ECO:0000312|MGI:MGI:1289230}

**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

**Tissue Location**

Isoform 1 is present in all tissues examined. Isoform 2 is found in all tissues except skeletal muscle and very low levels in spleen. Both isoforms are widely expressed throughout the nervous system however levels of isoform 2 are higher in purified hippocampal and cortical neurons whereas glial

cells express more isoform 1 than isoform 2.

### **Mouse Ppk Antibody (Center) Blocking peptide - Protocols**

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

- [Blocking Peptides](#)

### **Mouse Ppk Antibody (Center) Blocking peptide - Images**

### **Mouse Ppk Antibody (Center) Blocking peptide - Background**

Ppk 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.

### **Mouse Ppk Antibody (Center) Blocking peptide - References**

Mao, H., et al. J. Neurosci. 25(35):7934-7943(2005)Zambrowicz, B.P., et al. Proc. Natl. Acad. Sci. U.S.A. 100(24):14109-14114(2003)Stryke, D., et al. Nucleic Acids Res. 31(1):278-281(2003)