

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

Mouse Pxk Antibody (Center) Blocking peptide - Product InformationPrimary Accession [Q8BX57](#)**Mouse Pxk Antibody (Center) Blocking peptide - Additional Information****Gene ID** 218699**Other Names**PX domain-containing protein kinase-like protein, Modulator of Na, K-ATPase, MONaKA, Pxk
{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 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.

Mouse Pxk Antibody (Center) Blocking peptide - Protein Information**Name** Pxk {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)