

Mouse Pxk Antibody (Center)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP14159c**Specification**

Mouse Pxk Antibody (Center) - Product Information

Application	WB, IHC-P,E
Primary Accession	Q8BX57
Other Accession	Q4FZZ1 , Q7Z7A4 , NP_663433.2 , NP_840063.1 , Q32NE9
Reactivity	Human, Mouse
Predicted	Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	65231
Antigen Region	164-193

Mouse Pxk Antibody (Center) - 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**

This Mouse Pxk antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 164-193 amino acids from the Central region of mouse Pxk.

DilutionWB~~1:1000
IHC-P~~1:10~50**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

Mouse Pxk Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Mouse Pxk Antibody (Center) - Protein Information

Name Pkx {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

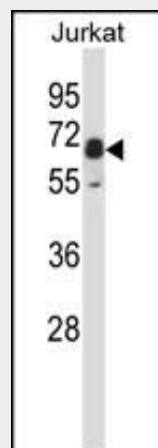
Isoform 1 is present in all tissues examined. Isoform 2 is found in all tissues except skeletal muscle and very low levels in spleen. Both isoforms are widely expressed throughout the nervous system however levels of isoform 2 are higher in purified hippocampal and cortical neurons whereas glial cells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

Mouse Pkx Antibody (Center) - Protocols

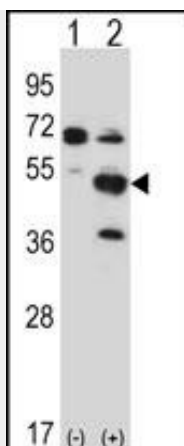
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

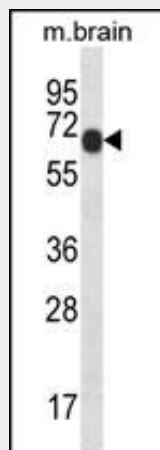
Mouse Pkx Antibody (Center) - Images



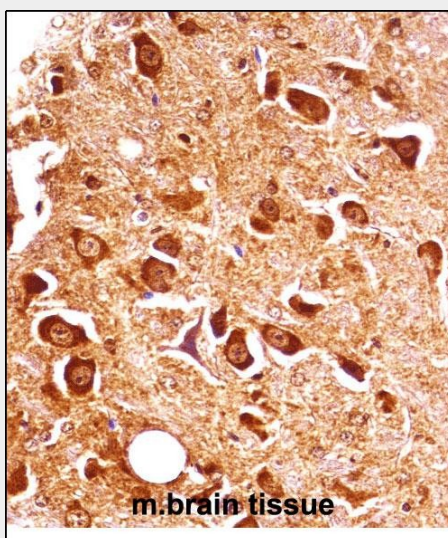
Mouse Pkx Antibody (Center) (Cat. #AP14159c) western blot analysis in Jurkat cell line lysates (35ug/lane). This demonstrates the Pkx antibody detected the Pkx protein (arrow).



Western blot analysis of Pvk (arrow) using rabbit polyclonal Mouse Pvk Antibody (Center) (Cat. #AP14159c). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the Pvk gene.



Mouse Pvk Antibody (Center) (Cat. #AP14159c) western blot analysis in mouse brain tissue lysates (35ug/lane). This demonstrates the Pvk antibody detected the Pvk protein (arrow).



Mouse Pvk Antibody (Center) (AP14159c) immunohistochemistry analysis in formalin fixed and paraffin embedded mouse brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of Mouse Pvk Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.

Mouse Pxx Antibody (Center) - Background

Pxx 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 Pxx Antibody (Center) - 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)