

PXK Rabbit pAb

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Catalog # AP57623

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q7Z7A4
Reactivity	Rat, Mouse
Predicted	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	64950
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human PXK
Epitope Specificity	131-230/578
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Cytoplasm. Cell membrane. Also associates with the plasma membrane. Isoform 3 is present throughout the cell.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	This gene encodes a phox (PX) domain-containing protein which may be involved in synaptic transmission and the ligand-induced internalization and degradation of epidermal growth factors. Variations in this gene may be associated with susceptibility to systemic lupus erythematosus (SLE). Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2014]

Additional Information

Gene ID	54899
Other Names	PX domain-containing protein kinase-like protein, Modulator of Na, K-ATPase, MONaKA, PXK (HGNC:23326)
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

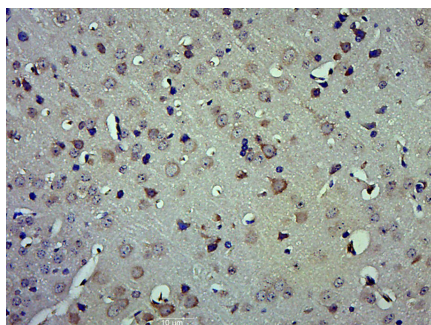
Protein Information

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.

Background

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Images



Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (PXK) Polyclonal Antibody, Unconjugated (AP57623) at 1:500 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.