

IP6K3 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP17979a

Product Information

Application	WB, E
Primary Accession	Q96PC2
Other Accession	NP_001136355.1
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB38273
Calculated MW	46417
Antigen Region	72-98

Additional Information

Gene ID	117283
Other Names	Inositol hexakisphosphate kinase 3, InsP6 kinase 3, Inositol hexaphosphate kinase 3, IP6K3, IHPK3
Target/Specificity	This IP6K3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 72-98 amino acids from the N-terminal region of human IP6K3.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
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	IP6K3 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	IP6K3
Synonyms	IHPK3
Function	Kinase that converts inositol hexakisphosphate (InsP6) to diphosphoinositol

pentakisphosphate (InsP7/PP-InsP5)(PubMed:[11502751](#), PubMed:[34381031](#)). Regulates cellular phosphate export by binding to the SPX domain of the XPR1 phosphate transporter (PubMed:[34381031](#)).

Cellular Location	Cytoplasm.
Tissue Location	Detected in brain.

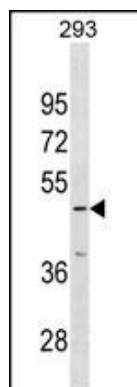
Background

This gene encodes a protein that belongs to the inositol phosphokinase (IPK) family. This protein is likely responsible for the conversion of inositol hexakisphosphate (InsP6) to diphosphoinositol pentakisphosphate (InsP7/PP-InsP5). It may also convert 1,3,4,5,6-pentakisphosphate (InsP5) to PP-InsP4. Alternative splicing results in multiple transcript variants encoding the same protein.

References

Kestenbaum, B., et al. J. Am. Soc. Nephrol. 21(7):1223-1232(2010)
Barcellos, L.F., et al. PLoS Genet. 5 (10), E1000696 (2009) :
Saiardi, A., et al. J. Biol. Chem. 276(42):39179-39185(2001)

Images



IP6K3 Antibody (N-term) (Cat. #AP17979a) western blot analysis in 293 cell line lysates (35ug/lane). This demonstrates the IP6K3 antibody detected the IP6K3 protein (arrow).

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