

DATASHEET

PIP5K Rabbit Polyclonal Antibody

CAT. NO. ARA6824

KEY FEATURES

Target	PIP5K	Source / Host	Rabbit
Reactivity	Human, Rat	Clonality	Polyclonal
Applications	WB, IF/ICC	Storage	-20°C

BACKGROUND

Anti-PIP5K antibodies enable researchers to detect and measure the PIP5K antigen in biological samples. This target is a reported synonym of the PIKFYVE gene, which encodes phosphoinositide kinase, FYVE-type zinc finger containing. This protein is known to function in intracellular signal transduction, among other biological roles. The human version of PIP5K has a canonical amino acid length of 2098 residues and a protein mass of 237.1 kilodaltons, although 4 isoforms have been identified. It is reported to be localized in the cytoplasmic vesicles and membrane of cells. Western Blot is the most common application for the PIP5K antibodies listed below. ELISA, Immunofluorescence, and Immunohistochemistry are also common applications.

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:2,000
IF/ICC	1:50 - 1:100

*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

Immunogen	KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human PIP5K. The exact sequence is proprietary
Purification	The antibody was purified by immunogen affinity chromatography
Form/Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide
Gene Name	PIKFYVE
Alternative Names	KIAA0981; PIP5K3; 1-phosphatidylinositol 3-phosphate 5-kinase; Phosphatidylinositol 3-phosphate 5-kinase; FYVE finger-containing phosphoinositide kinase; PIKfyve; Phosphatidylinositol 3-phosphate 5-kinase type III; PIPKin-III; Type III PIP kinase
Gene ID (Human)	200576
Protein ID (Human)	Q9Y2Y7

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

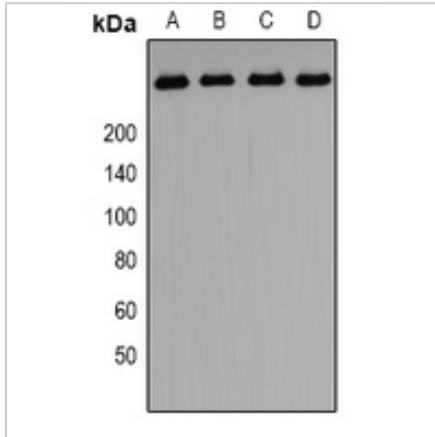
*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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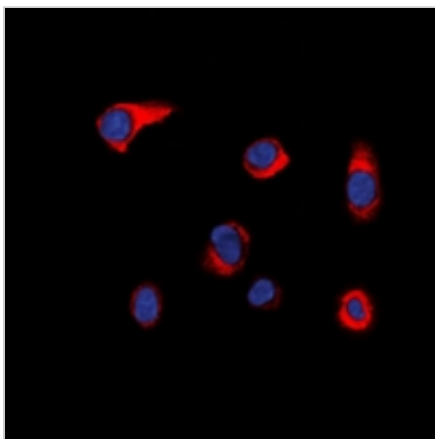
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Western blot analysis of PIP5K expression in A549 (A), HepG2 (B), PC3 (C)rat testis (D) whole cell lysates. (Predicted band size: 237 kD; Observed band size: 262 kD)



Immunofluorescent analysis of PIP5K staining in HepG2 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a hidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).

STORAGE

Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.

More information: www.arexbio.com