

Product datasheet

Anti-PIP5K1 alpha/PIP5K1A antibody ab122049

[3 Images](#)

Overview

Product name	Anti-PIP5K1 alpha/PIP5K1A antibody
Description	Rabbit polyclonal to PIP5K1 alpha/PIP5K1A
Host species	Rabbit
Tested applications	Suitable for: WB, ICC/IF, IHC-P
Species reactivity	Reacts with: Human
Immunogen	Recombinant fragment corresponding to Human PIP5K1 alpha/PIP5K1A aa 266-389. Database link: Q99755
Positive control	Human tonsil tissue; RT-4 and U-251 MG cells lysate; Human cell line A-431
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.
Storage buffer	pH: 7.20 Preservative: 0.02% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine)
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab122049 in the following tested applications.

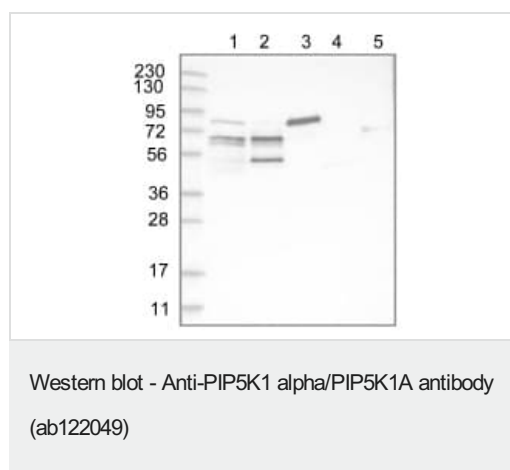
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use a concentration of 0.04 - 0.4 µg/ml.
ICC/IF		Use a concentration of 0.25 - 2 µg/ml.
IHC-P		1/50 - 1/200. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

Target

Function	Participates in the biosynthesis of phosphatidylinositol-4,5-bisphosphate. Mediates RAC1-dependent reorganization of actin filaments. Acts as an activator of TUT1 adenylyltransferase activity in nuclear speckles, thereby regulating mRNA polyadenylation of a select set of mRNAs. Contributes to the activation of PLD2.
Tissue specificity	Highly expressed in heart, placenta, skeletal muscle, kidney and pancreas. Detected at lower levels in brain, lung and liver.
Sequence similarities	Contains 1 PIPK domain.
Cellular localization	Cell membrane. Endomembrane system. Golgi apparatus > Golgi stack. Nucleus speckle. Associated with the plasma membrane and with internal membranes. Associated with Golgi stacks (By similarity). Detected on RAC1-induced plasma membrane ruffles, and on membrane ruffles induced by platelet-derived growth factor. Localizes to nuclear speckles and associates with TUT1 to regulate polyadenylation of selected mRNAs.

Images



All lanes : Anti-PIP5K1 alpha/PIP5K1A antibody (ab122049) at 1/250 dilution

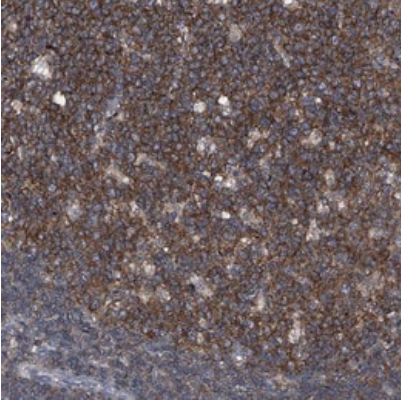
Lane 1 : RT-4 cells lysate

Lane 2 : U-251 MG cells lysate

Lane 3 : Human plasma lysate

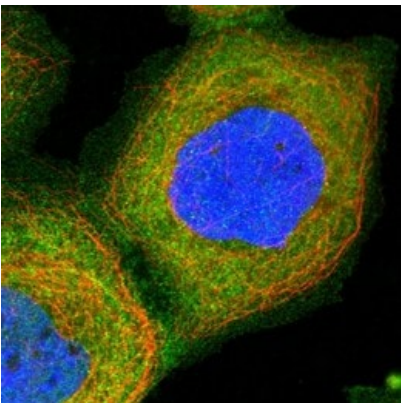
Lane 4 : Human Liver lysate

Lane 5 : Human Tonsil lysate



ab122049, at 1/125, staining PIP5K1 alpha/PIP5K1A in paraffin embedded Human tonsil tissue by Immunohistochemistry.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PIP5K1 alpha/PIP5K1A antibody (ab122049)



ab122049, at 4 µg/ml, staining PIP5K1 alpha/PIP5K1A in Human cell line A-431 by Immunofluorescence.

Immunocytochemistry/ Immunofluorescence - Anti-PIP5K1 alpha/PIP5K1A antibody (ab122049)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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