BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
888-466-3604 | support@bosterbio.com | www.bosterbio.com

Anti-PIP4K2A Antibody (C-term)

Catalog Number: A04244-1

About PIP4K2A

Catalyzes the phosphorylation of phosphatidylinositol 5- phosphate (PtdIns5P) on the fourth hydroxyl of the myo-inositol ring, to form phosphatidylinositol 4,5-bisphosphate (PtdIns(4,5)P2). May exert its function by regulating the levels of PtdIns5P, which functions in the cytosol by increasing AKT activity and in the nucleus signals through ING2. May regulate the pool of cytosolic PtdIns5P in response to the activation of tyrosine phosphorylation. May negatively regulate insulin- stimulated glucose uptake by lowering the levels of PtdIns5P. May be involved in thrombopoiesis, and the terminal maturation of megakaryocytes and regulation of their size.

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Overview

Product Name	Anti-PIP4K2A Antibody (C-term)
Reactive Species	Human
Description	Boster Bio Anti-PIP4K2A Antibody (C-term) (Catalog # A04244-1). Tested in Flow Cytometry, IHC-P, WB, IF application(s). This antibody reacts with Human.
Application	Flow Cytometry, IF, IHC-P, WB
Clonality	Polyclonal
Formulation	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.
Storage Instructions	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.
Host	Rabbit
Uniprot ID	P48426

Technical Details

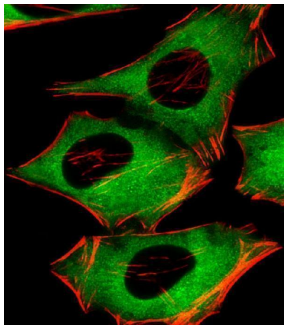
Immunogen	This PIP4K2A antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 329-363 amino acids from the C-terminal region of human PIP4K2A.
Predicted Reactive Species	Pig
Isotype	Rabbit IgG

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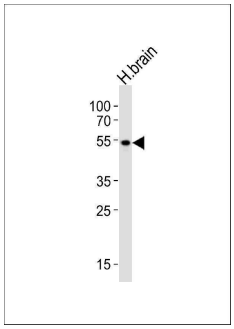
Purification	This antibody is purified through a protein A column, followed by peptide affinity purification.
Suggested Dilutions	IF: 1:25 WB: 1:1000 IHC-P: 1:25 FC: 1:25

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Anti-PIP4K2A Antibody (C-term) (A04244-1) Images



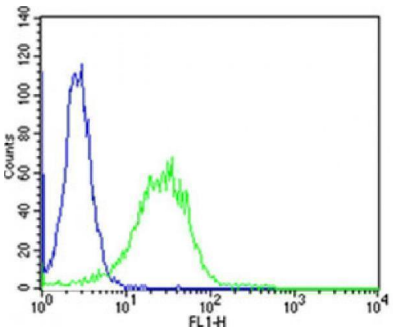
Immunofluorescent analysis of 4% paraformaldehyde-fixed, 0. 1% Triton X-100 permeabilized Hela (Human Cervical epithelial adenocarcinoma cell line) cells labeling PIP4K2A with A04244-1 at 1/25 dilution, followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG secondary antibody at 1/400 dilution (green). Confocal image showing cytoplasmic staining on Hela cell line. Cytoplasmic actin is detected with Alexa Fluor® 555 conjugated with Phalloidin at 1/100 dilution (red).



Western blot analysis of lysate from human brain tissue, using PIP4K2A Antibody (C-term). A04244-1 was diluted at 1:1000. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody. Lysate at 20ug.



Immunohistochemical analysis of paraffin-embedded H. brain section using PIP4K2A Antibody (C-term). A04244-1 was diluted at 1:25 dilution. A undiluted biotinylated goat polyvalent antibody was used as the secondary, followed by DAB staining.



Flow cytometric analysis of Hela cells using PIP4K2A Antibody (C-term)(green, Cat#A04244-1) compared to an isotype control of rabbit IgG(blue). A04244-1 was diluted at 1:25 dilution. An Alexa Fluor® 488 goat anti-rabbit IgG at 1:400 dilution was used as the secondary antibody.

For Research Use Only. Not for use in diagnostic procedures.