

Datasheet for ABIN6243276
anti-PIP4K2A antibody (C-Term)



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4 Images

Overview

Quantity:	400 µL
Target:	PIP4K2A
Binding Specificity:	AA 329-363, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PIP4K2A antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Flow Cytometry (FACS)

Product 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.
Clone:	RB51769
Isotype:	Ig Fraction
Predicted Reactivity:	Pig
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	PIP4K2A
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Target Details

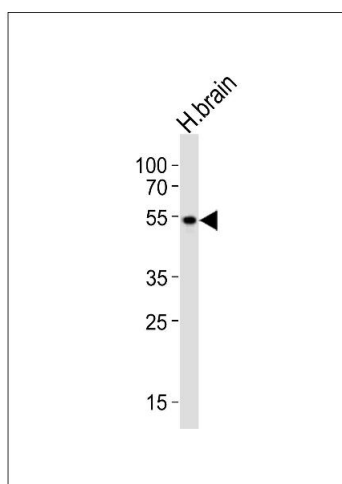
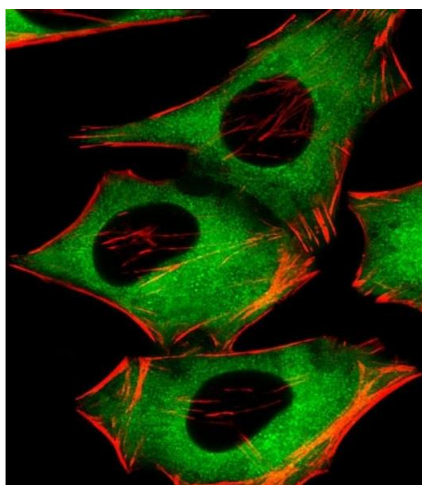
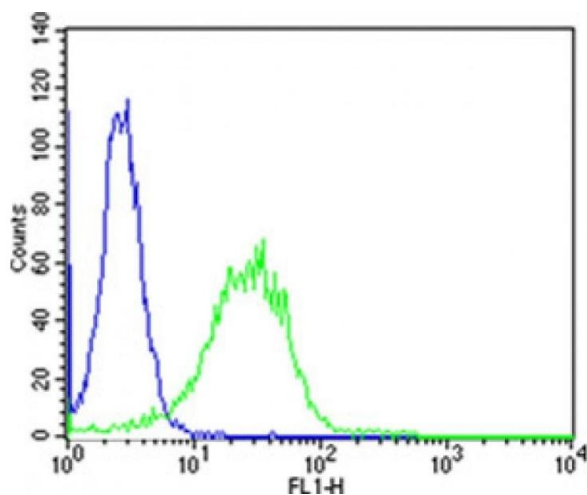
Alternative Name:	PIP4K2A (PIP4K2A Products)
Background:	Catalyzes the phosphorylation of phosphatidylinositol 5- phosphate (PtdIns5P) on the fourth hydroxyl of the myo-inositol ring, to form phosphatidylinositol 4,5-bisphosphate (PtdIns(4,5)P2). May exert its function by regulating the levels of PtdIns5P, 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.
Molecular Weight:	46225
UniProt:	P48426
Pathways:	Inositol Metabolic Process

Application Details

Application Notes:	IF: 1:25. WB: 1:1000. IHC-P: 1:25. FC: 1:25
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Expiry Date:	6 months



Flow Cytometry

Image 1. Flow cytometric analysis of HeLa cells using PIP4K2A Antibody (C-term)(green, Cat(ABIN6243276 and ABIN6577805)) compared to an isotype control of rabbit IgG(blue). (ABIN6243276 and ABIN6577805) was diluted at 1:25 dilution. An Alexa Fluor® 488 goat anti-rabbit IgG at 1:400 dilution was used as the secondary antibody.

Immunofluorescence

Image 2. Immunofluorescent analysis of 4 % paraformaldehyde-fixed, 0.1 % Triton X-100 permeabilized HeLa (Human Cervical epithelial adenocarcinoma cell line) cells labeling PIP4K2A with (ABIN6243276 and ABIN6577805) at 1/25 dilution, followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (1583138) 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 (OB16636430) at 1/100 dilution (red).

Western Blotting

Image 3. Western blot analysis of lysate from human brain tissue, using PIP4K2A Antibody (C-term) (ABIN6243276 and ABIN6577805). (ABIN6243276 and ABIN6577805) 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 20 µg.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN6243276.