

Rabbit PIP4K2A Polyclonal Antibody | anti-PIP4K2A antibody

PIP4K2A Antibody (C-term)

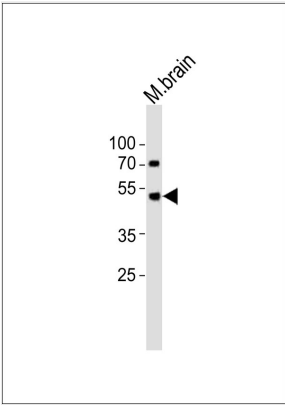
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA289200	Rabbit	Mouse (Predicted Reactivity: Chicken, Rat, Bovine, Human, Xenopus)	ELISA, Western Blot

PRODUCT SYNONYMS

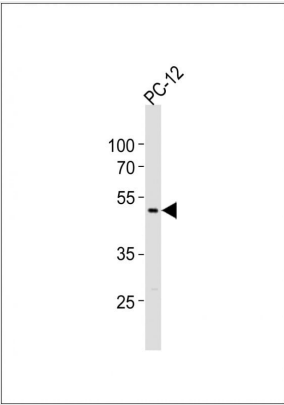
PIP4K2A; Polyclonal Antibody; PIP4K2A Antibody (C-term); Phosphatidylinositol 5-phosphate 4-kinase type-2 alpha; 1-phosphatidylinositol 5-phosphate 4-kinase 2-alpha; Diphosphoinositide kinase 2-alpha; PIP5KIII; Phosphatidylinositol 5-phosphate 4-kinase type II alpha; PI(5)P 4-kinase type II alpha; PIP4KII-alpha; PtdIns(4)P-5-kinase B isoform; PtdIns(4)P-5-kinase C isoform; PtdIns(5)P-4-kinase isoform 2-alpha; PIP5K2; PIP5K2A; anti-PIP4K2A antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Mouse (Predicted Reactivity: Chicken, Rat, Bovine, Human, Xenopus)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This PIP4K2A antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 365-400 amino acids from the C-terminal region of human PIP4K2A.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/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.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Length	406
Applicable Applications for anti-PIP4K2A antibody	ELISA, WB (Western Blot)
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



WB (Western Blot)
Western blot analysis of lysate from mouse brain cell line tissue lysate, using PIP4K2A Antibody (C-term). AAA289200 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.



WB (Western Blot)
Anti-PIP4K2A Antibody (C-term)at 1:1000 dilution + PC-12 whole cell lysatesLysates/proteins at 20 ug per lane.SecondaryGoat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilutionPredicted band size : 46 kDaBlocking/Dilution buffer: 5% NFD/MTBST.

ADDITIONAL INFORMATION

Related Product Information for anti-PIP4K2A antibody	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.
Product Categories/Family for anti-PIP4K2A antibody	Metabolism; Signal Transduction
References	Boronenkov I.V.,et al.J. Biol. Chem. 270:2881-2884(1995). Boronenkov I.V.,et al.Submitted (JAN-2000) to the EMBL/GenBank/DDBJ databases. Divecha N.,et al.Biochem. J. 309:715-719(1995). Deloukas P.,et al.Nature 429:375-381(2004). Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.

NCBI AND UNIPROT INFORMATION

NCBI GI #	6857820
NCBI GeneID	5305
NCBI Accession #	NP_005019.2
NCBI GenBank Nucleotide #	NM_005028.4
UniProt Accession #	P48426; P53807; Q5VUX3; B0YJ66; B4DGX2; D3DRV1
Molecular Weight	46225
NCBI Official Full Name	phosphatidylinositol 5-phosphate 4-kinase type-2 alpha
NCBI Official Synonym Full Names	phosphatidylinositol-5-phosphate 4-kinase, type II, alpha
NCBI Official Symbol	PIP4K2A
NCBI Official Synonym Symbols	PIPK; PI5P4KA; PIP5K2A; PIP5KIIA; PIP5KII-alpha
NCBI Protein Information	phosphatidylinositol 5-phosphate 4-kinase type-2 alpha
UniProt Protein Name	Phosphatidylinositol 5-phosphate 4-kinase type-2 alpha

UniProt Gene Name	PIP4K2A
UniProt Synonym Gene Names	PIP5K2; PIP5K2A; PI(5)P 4-kinase type II alpha; PIP4KII-alpha
UniProt Entry Name	PI42A_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/pip4k2a-antibody-western-blot-elisa/289200>