

Rabbit PIP5K2 Alpha (PIP5K2A) Polyclonal Antibody | anti-PIP4K2A antibody

PIP5K2 Alpha (PIP5K2A) Antibody (C-term)

CATALOG # AAA284678	HOST Rabbit	REACTIVITY Human (Predicted Reactivity: Mouse, Pig, Rat)	APPLICATIONS Western Blot, Immunohistochemistry, ELISA
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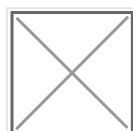
PRODUCT SYNONYMS

PIP5K2 Alpha (PIP5K2A); Polyclonal Antibody; PIP5K2 Alpha (PIP5K2A) 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; PIP4K2A; PIP5K2; PIP5K2A; anti-PIP4K2A antibody

PRODUCT SPECIFICATIONS

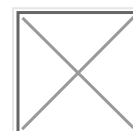
Host	Rabbit
Reactivity	Human (Predicted Reactivity: Mouse, Pig, Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This PIP5K2 Alpha (PIP5K2A) antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 303-335 amino acids from the C-terminal region of human PIP5K2 Alpha (PIP5K2A).
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 prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 1.83 (varies by lot)
Sequence Positions	303-335
Sequence Length	406
Applicable Applications for anti-PIP4K2A antibody	WB (Western Blot), IHC (Immunohistochemistry), ELISA
Antigen Type	Synthetic Peptide
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.

IMAGES



IHC (Immunohistochemistry)

Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma; HC = hepatocarcinoma.



WB (Western Blot)

Western blot analysis of anti-PIP5K2A Pab in HL60 cell lysate. PIP5K2A (arrow) was detected using purified Pab. Secondary HRP-anti-rabbit was used for signal visualization with chemiluminescence.

ADDITIONAL INFORMATION

Related Product Information for anti-PIP4K2A antibody	Phosphatidylinositol-4,5-bisphosphate, the precursor to second messengers of the phosphoinositide signal transduction pathways, is thought to be involved in the regulation of secretion, cell proliferation, differentiation, and motility. TPIP5K2A is one of a family of enzymes capable of catalyzing the phosphorylation of phosphatidylinositol-4-phosphate on the fifth hydroxyl of the myo-inositol ring to form phosphatidylinositol-4,5-bisphosphate. The amino acid sequence of this enzyme does not show homology to other kinases, but the recombinant protein does exhibit kinase activity. The protein is a member of the phosphatidylinositol-4-phosphate 5-kinase family.
Product Categories/Family for anti-PIP4K2A antibody	Metabolism; Signal Transduction
References	Rozenvayn, N., et al., J. Biol. Chem. 278(10):8126-8134 (2003). Boronenkov, I.V., et al., J. Biol. Chem. 270(7):2881-2884 (1995). Loijens, J.C., et al., Adv. Enzyme Regul. 36, 115-140 (1996). Divecha, N., et al., Biochem. J. 309 (Pt 3), 715-719 (1995).

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://stage.aaabiotech.com/polyclonal/pip5k2-alpha-pip5k2a-antibody-western-blot-immunohistochemistry-elisa/284678>