

## ARG41044 anti-PIP4K2B antibody

Package: 100 µl  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes PIP4K2B
Tested Reactivity	Hu
Tested Application	WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	PIP4K2B
Species	Human
Immunogen	Recombinant fusion protein corresponding to aa. 1-270 of Human PIP4K2B (NP_003550.1).
Conjugation	Un-conjugated
Alternate Names	PtdIns; PIP5KIIbeta; Diphosphoinositide kinase 2-beta; 1-phosphatidylinositol 5-phosphate 4-kinase 2-beta; Phosphatidylinositol 5-phosphate 4-kinase type II beta; PIP5P4KB; EC 2.7.1.149; PIP5K2B; 5; PIP4KII-beta; PI5P4KB; PI; PIP5KIIb; Phosphatidylinositol 5-phosphate 4-kinase type-2 beta

### Application Instructions

Application table	<table> <tr> <th>Application</th><th>Dilution</th></tr> <tr> <td>WB</td><td>1:500 - 1:2000</td></tr> </table>	Application	Dilution	WB	1:500 - 1:2000
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WB	1:500 - 1:2000				
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.				
Positive Control	HepG2				
Observed Size	47 kDa				

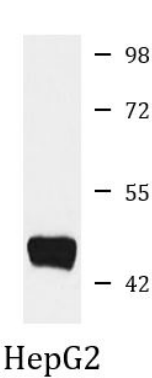
### Properties

Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	PIP4K2B
Gene Full Name	phosphatidylinositol-5-phosphate 4-kinase, type II, beta
Background	The protein encoded by this gene catalyzes the phosphorylation of phosphatidylinositol-5-phosphate on the fourth hydroxyl of the myo-inositol ring to form phosphatidylinositol-5,4-bisphosphate. This gene is a member of the phosphatidylinositol-5-phosphate 4-kinase family. The encoded protein sequence does not show similarity to other kinases, but the protein does exhibit kinase activity. Additionally, the encoded protein interacts with p55 TNF receptor. [provided by RefSeq, Jul 2008]
Function	Participates in the biosynthesis of phosphatidylinositol 4,5-bisphosphate. [UniProt]
Calculated Mw	47 kDa
PTM	Ubiquitinated by the SPOP/CUL3 complex. Ubiquitination is stimulated by PtdIns5P levels. [UniProt]
Cellular Localization	Endoplasmic reticulum membrane; Peripheral membrane protein. Cell membrane; Peripheral membrane protein. Nucleus. Cytoplasm. Note=Associated with the plasma membrane and the endoplasmic reticulum. [UniProt]

Images



ARG41044 anti-PIP4K2B antibody WB image

Western blot: 25 µg of HepG2 cell lysate stained with ARG41044 anti-PIP4K2B antibody at 1:1000 dilution.