

# Anti-Phosphopentokinase antibody

Catalog: PHY0100A

## Product Information

<b>Description:</b>	Rabbit polyclonal antibody
<b>Background:</b>	Phosphoribulokinase is an enzyme that catalyzes ATP and D-ribulose 5-phosphate to produce ADP and D-ribulose 1,5-bisphosphate. This protein is involved in the pathway Calvin cycle.
<b>Synonyms:</b>	PRK, PRK RIBULOSE-5-P-KINASE, PRKase
<b>Immunogen:</b>	KLH-conjugated synthetic peptide (16 aa from N terminal section) derived from <i>Arabidopsis thaliana</i> PRK (AT1G32060).
<b>Form:</b>	Lyophilized
<b>Quantity:</b>	150 µg
<b>Purification:</b>	Immunogen affinity purified
<b>Reconstitution:</b>	Reconstitution with 150 µl of 0.01 M sterile PBS. "Note: please spin tube briefly prior to opening it to avoid any losses that might occur from lyophilized material adhering to the cap or sides of the tube".
<b>Stability &amp; Storage:</b>	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70°C as supplied. 6 months, -20 to -70°C under sterile conditions after reconstitution. 1 month, 2 to 8°C under sterile conditions after reconstitution.
<b>Shipping:</b>	The product is shipped at 4°C. Upon receipt, store it immediately at the temperature recommended above.

## Application Information

<b>Recommended Dilution:</b>	Western Blot (1:1000-1:2000) Note: Optimal dilutions/concentrations should be determined by the end user.
<b>Expected / apparent MW:</b>	44 kDa
<b>Confirmed Reactivity:</b>	Coming soon
<b>Predicted Reactivity:</b>	Among species analyzed, the sequence of the synthetic peptide used for immunization is 80-99% homologues with the sequence in <i>Physcomitrium patens</i> , <i>Zea may</i> , <i>Nicotiana tabacum</i> , <i>Vitis vinifera</i> , <i>Cucumis sativus</i> , <i>Medicago truncatula</i> , <i>Gossypium raimondii</i> ,

Research Use Only

*Glycine max, Solanum tuberosum, Populus trichocarpa, Triticum aestivum, Hordeum vulgare, Setaria viridis, Panicum virgatum, Oryza sativa, Brassica napus, Brassica rapa, Solanum lycopersicum.*

For more species homologues information, please contact tech support at [tech@phytoab.com](mailto:tech@phytoab.com).