

# Anti-Hexokinase-1 antibody

Catalog: PHY1603S

## Product Information

<b>Description:</b>	Rabbit polyclonal antibody
<b>Background:</b>	HXK1 is a hexokinase (HXK1) in the plant glucose-signaling network. Its functions as a glucose sensor to interrelate nutrient, light, and hormone signaling networks for controlling growth and development in response to the changing environment.
<b>Synonyms:</b>	HXK1, ARABIDOPSIS THALIANA HEXOKINASE 1, ATHXK1, GIN2, GLUCOSE INSENSITIVE 2, HEXOKINASE 1
<b>Immunogen:</b>	KLH-conjugated synthetic peptide derived from C-terminal section of HXK1 <i>Arabidopsis thaliana</i> AT4G29130.
<b>Form:</b>	Lyophilized
<b>Quantity:</b>	150 µg
<b>Purification:</b>	Serum Peptide affinity form antibody available upon request at <a href="mailto:info@phytoab.com">info@phytoab.com</a> .
<b>Reconstitution:</b>	Reconstitution with 150 µl of sterile water. "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

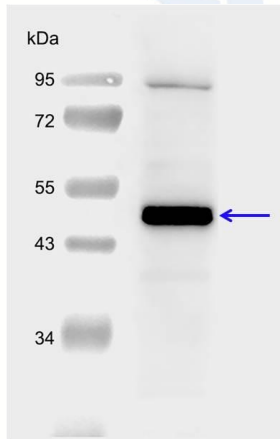
<b>Applications:</b>	Western Blot (1:1000-1:5000) Note: Optimal dilutions/concentrations should be determined by the end user.
<b>Expected Results:</b>	54 / 52 kDa
<b>Confirmed Reactivity:</b>	<i>Arabidopsis thaliana</i>

Research Use Only

### Predicted Reactivity:

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

### Application Example



**PHY1603S**

15 µg mitochondria protein from *Arabidopsis thaliana*.

**Electrophoresis:** 15% SDS-PAGE

**Transfer:** blotting to NC (nitrocellulose) membrane for 1 h.

**Blocking:** 5% skim milk at RT or 4°C for 1 h.

**Primary antibody:** 1:5000 dilution overnight at 4°C.

**Secondary antibody:** 1:10000 dilution using Goat Anti-Rabbit IgG H&L(HRP) (Cat# PHY6000).

**Detection:** using chemiluminescence substrate and image were captured with CCD camera.