

# Anti-Serine/threonine-protein phosphatase PP-X isozyme 1, C-terminal antibody

Catalog: PHY2243S

## Product Information

<b>Description:</b>	Rabbit polyclonal antibody
<b>Background:</b>	The PPX/PP4 Ser/Thr protein phosphatases belong to the type 2A phosphatase subfamily and are present in most eukaryotic organisms. There are two closely related DNAs encoding PPX isoforms (PPX-1 and PPX-2) of <i>Arabidopsis thaliana</i> .
<b>Synonyms:</b>	PPX1, PP4 CATALYTIC (PP4C) SUBUNIT 1, PP4-1, PPX-1, PROTEIN PHOSPHATASE X 1, PROTEIN PHOSPHATASE X-1
<b>Immunogen:</b>	KLH-conjugated synthetic peptide (16 aa from C terminal section) derived from C-terminal section of PPX1 protein in <i>Arabidopsis thaliana</i> AT4G26720.
<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;</b>	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.
<b>Storage:</b>	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>	35 kDa

Research Use Only

**Confirmed Reactivity:**

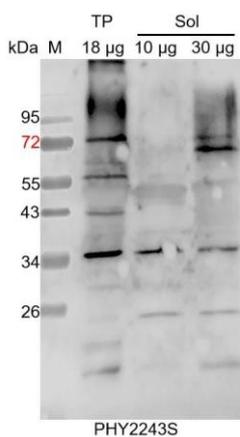
*Arabidopsis thaliana*

**Predicted Reactivity:**

Among species analyzed, the sequence of the synthetic peptide used for immunization is 80-99% homologues with the sequence in *Brassica napus*, *Brassica rapa*, *Medicago truncatula*, *Gossypium raimondii*, *Cucumis sativus*.

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

## Application Example



TP: 18 µg total protein from *Arabidopsis thaliana*.

Sol: 10 µg and 30 µg stromal protein from *Arabidopsis thaliana*, respectively.

**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:** 1:1000 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.