

# Anti-Plasma membrane aquaporin 2/3 antibody

Catalog: PHY0188S

## Product Information

<b>Description:</b>	Rabbit polyclonal antibody
<b>Background:</b>	PIP2/3 are members of the plasma membrane intrinsic protein PIP. They may be involved in the osmoregulation in plants under high osmotic stress such as under a high salt condition.
<b>Synonyms:</b>	PIP2/3
<b>Immunogen:</b>	KLH-conjugated synthetic peptide of PIP3B, PIP3A, PIP2A, PIP2D derived from <i>Arabidopsis thaliana</i> AT2G16850, AT4G35100, AT3G53420, AT3G54820.
<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>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>	30 kDa
<b>Confirmed Reactivity:</b>	Coming soon
<b>Predicted Reactivity:</b>	Among 25 analyzed species, the sequence of the synthetic peptide used for immunization is 100% homologues with the sequence in <i>Zea</i>

Research Use Only

*mays*, *Brassica napus*.

The sequence of the synthetic peptide used for immunization is 92% homologues with the sequence in PIP2B ( AT2G37170), PIP2C ( AT2G37180), PIP2E (AT2G39010), PIP2F(AT5G60660), PIP1C (AT1G01620), PIP1D (AT4G23400), PIP1E (AT4G00430), 85% homologues with the sequence in PIP1B (AT2G45960), PIP1A(AT3G61430).

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